



### Primary Producer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 I **get 100%** of my energy from the sun.

	x 0.6	<u>10,000 kcal</u>	x 0.1	
	↓	<b>Starting Energy</b>	↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 1 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 2 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

**Round 3 End Energy**



### Primary Producer



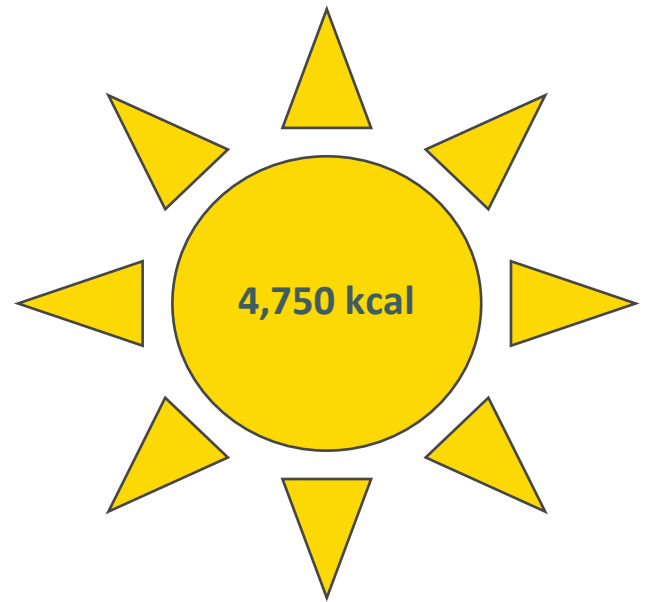
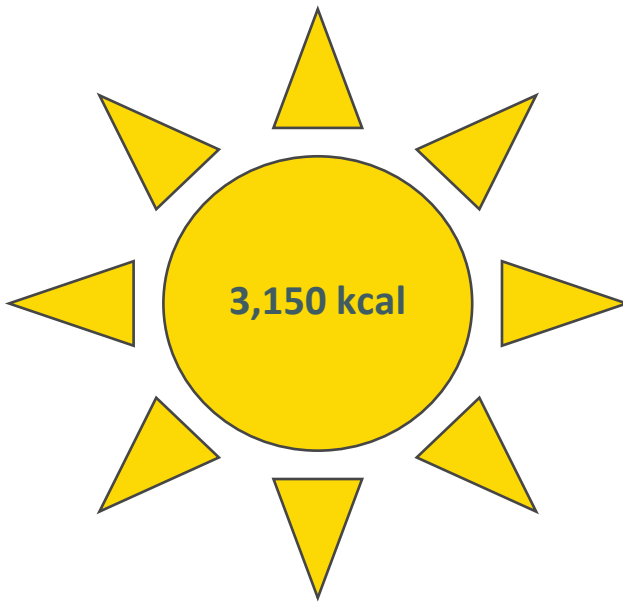
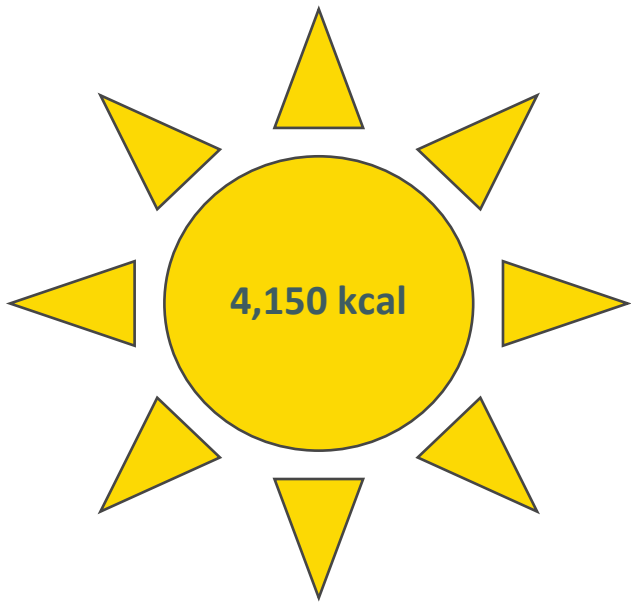
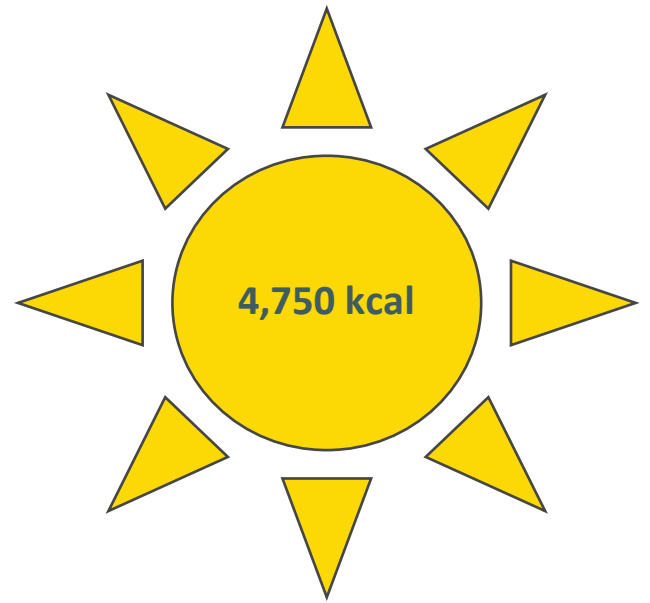
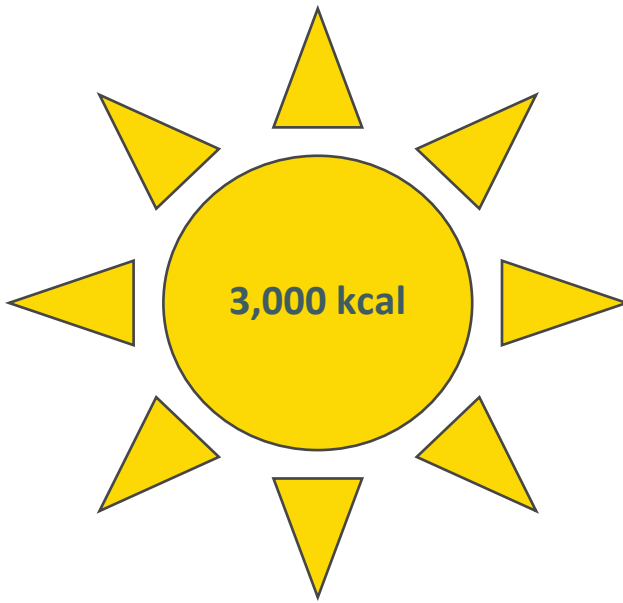
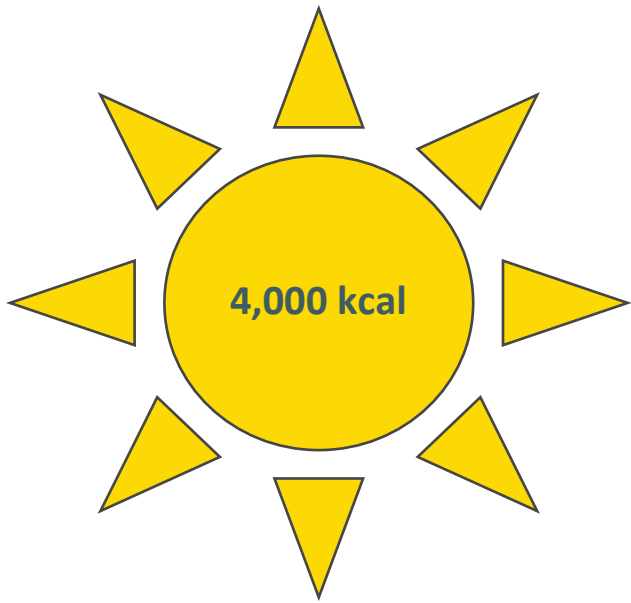
I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 I **get 100%** of my energy from the sun.

	x 0.6	<u>10,250 kcal</u>	x 0.1	
	↓	<b>Starting Energy</b>	↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 1 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 2 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

**Round 3 End Energy**



### Primary Producer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 I **get 100%** of my energy from the sun.

	x 0.6	<u>11,250 kcal</u>	x 0.1	
	↓	<b>Starting Energy</b>	↓	
I keep 60%	_____		_____	I give away 10%
	+		(my predator multiplies this by 0.5)	
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 1 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+		(my predator multiplies this by 0.5)	
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 2 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+		(my predator multiplies this by 0.5)	
I get 100% (from sun)	_____			
	=	_____ kcal		

**Round 3 End Energy**

### Primary Producer



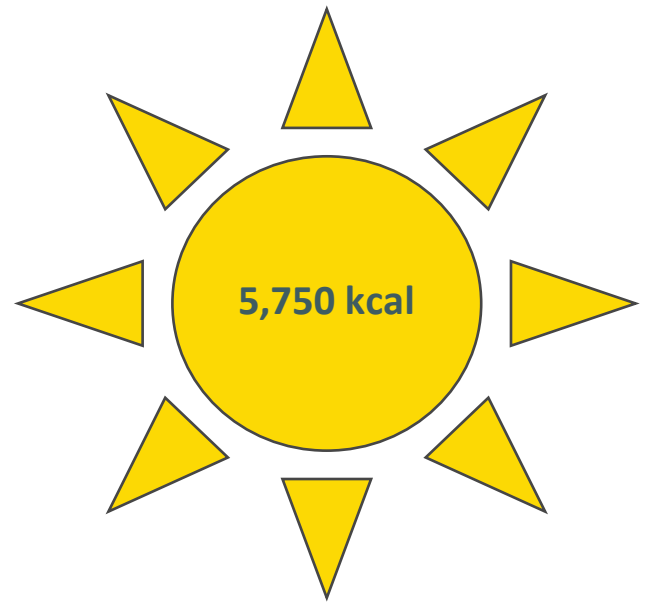
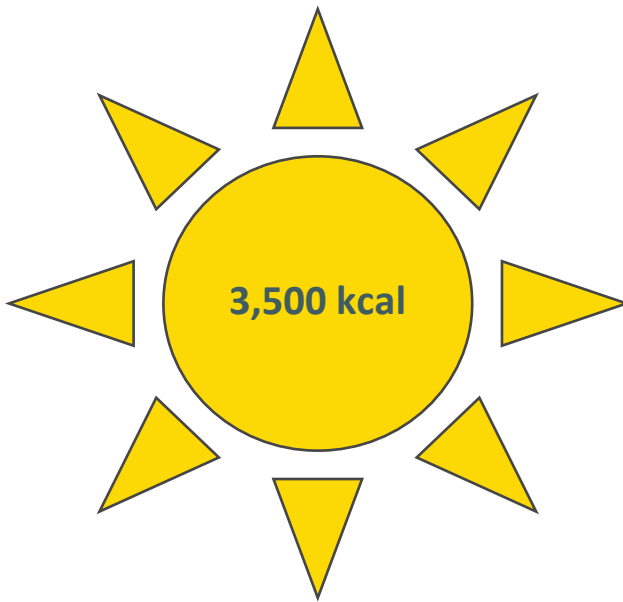
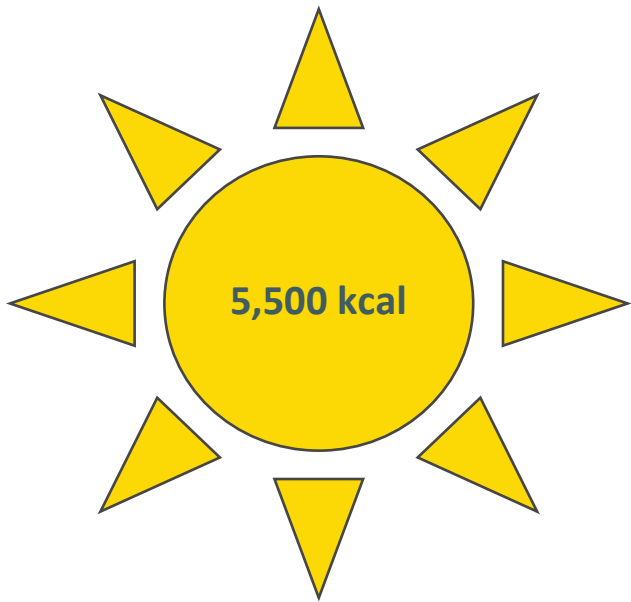
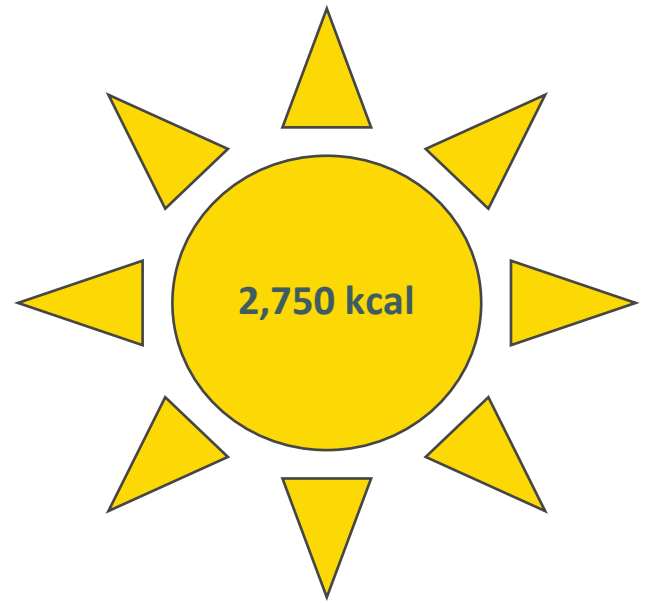
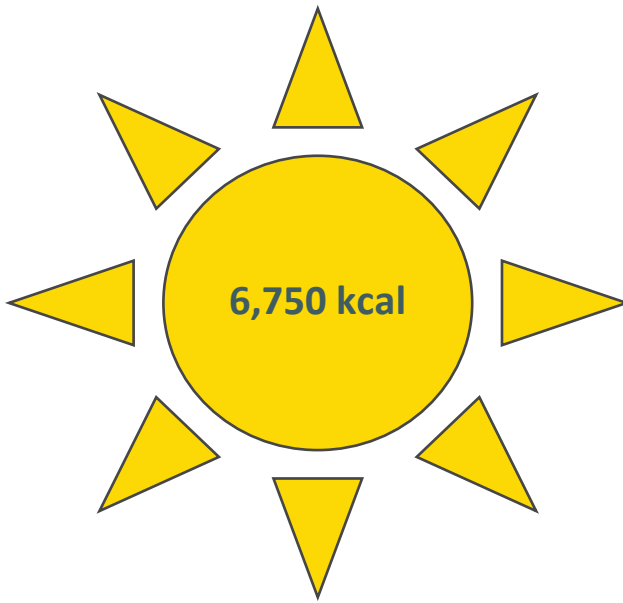
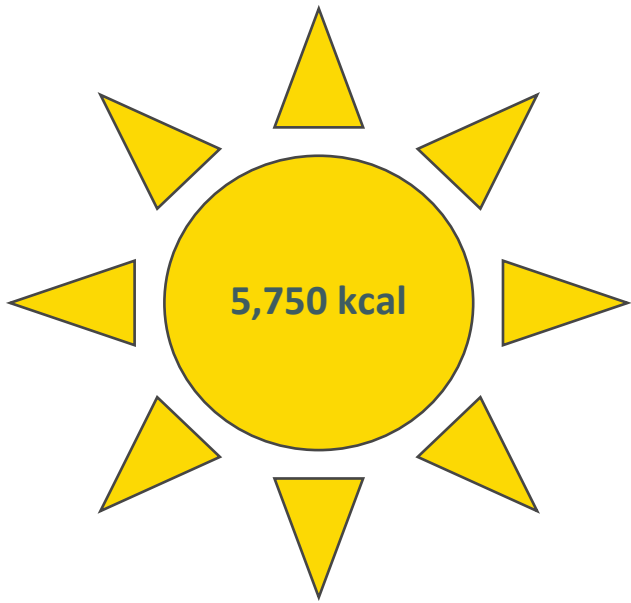
I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 I **get 100%** of my energy from the sun.

	x 0.6	<u>12,500 kcal</u>	x 0.1	
	↓	<b>Starting Energy</b>	↓	
I keep 60%	_____		_____	I give away 10%
	+		(my predator multiplies this by 0.5)	
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 1 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+		(my predator multiplies this by 0.5)	
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 2 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+		(my predator multiplies this by 0.5)	
I get 100% (from sun)	_____			
	=	_____ kcal		

**Round 3 End Energy**



### Primary Producer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 I **get 100%** of my energy from the sun.

	x 0.6	<u>13,000 kcal</u>	x 0.1	
	↓	<b>Starting Energy</b>	↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 1 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 2 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

**Round 3 End Energy**

### Primary Producer



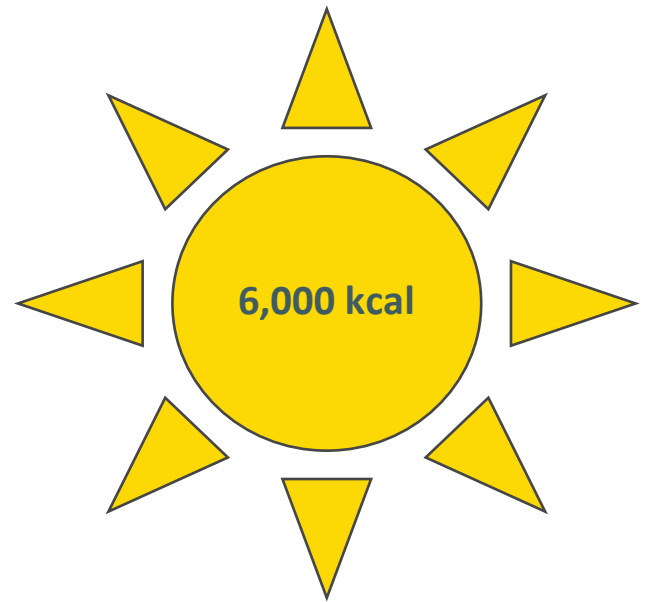
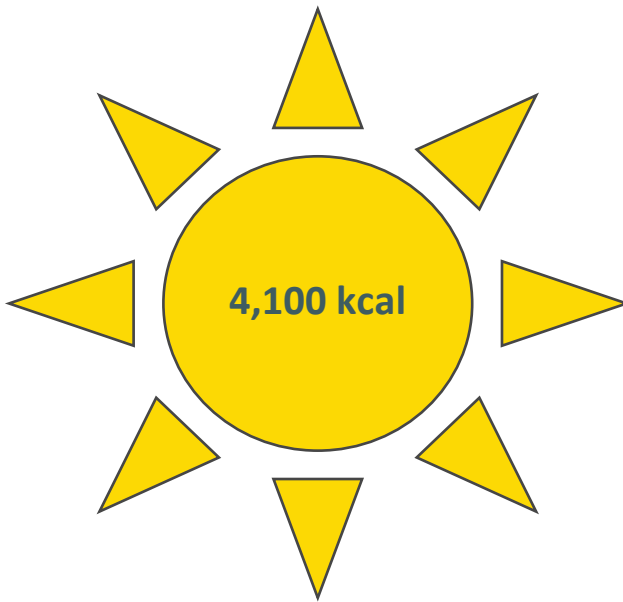
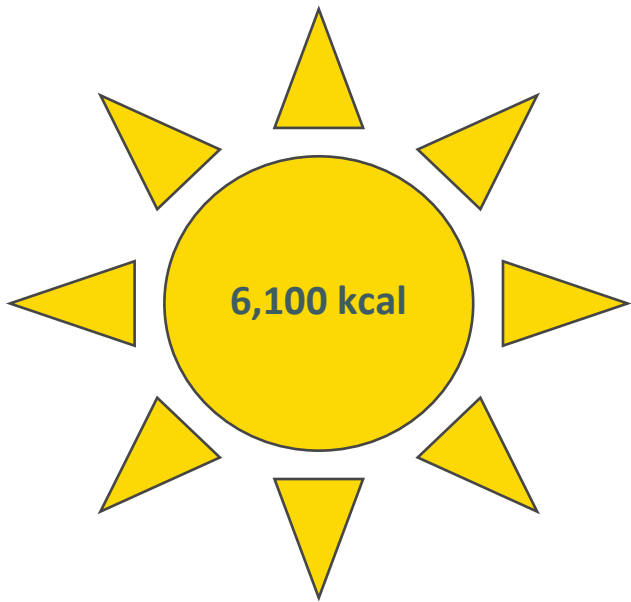
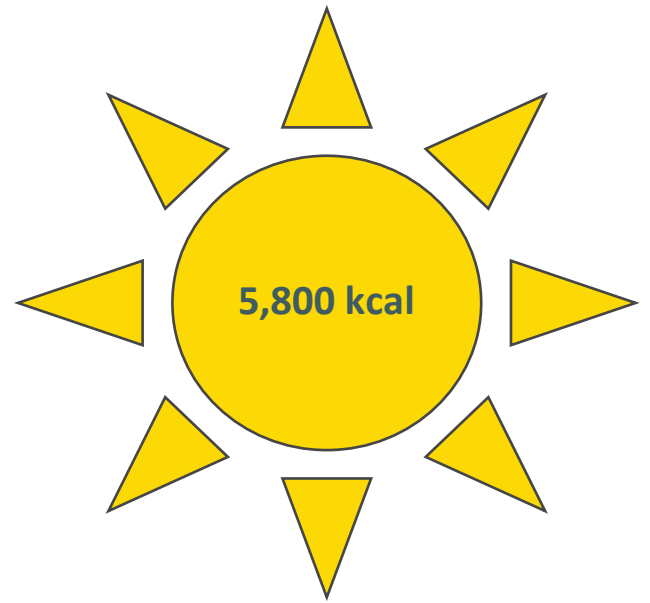
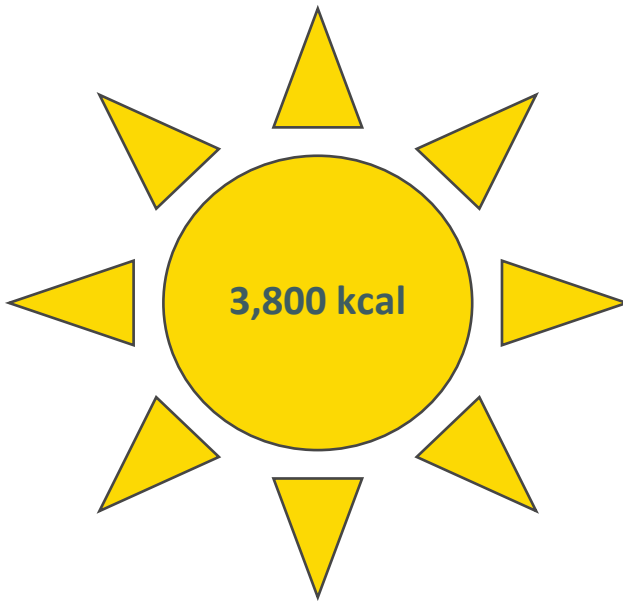
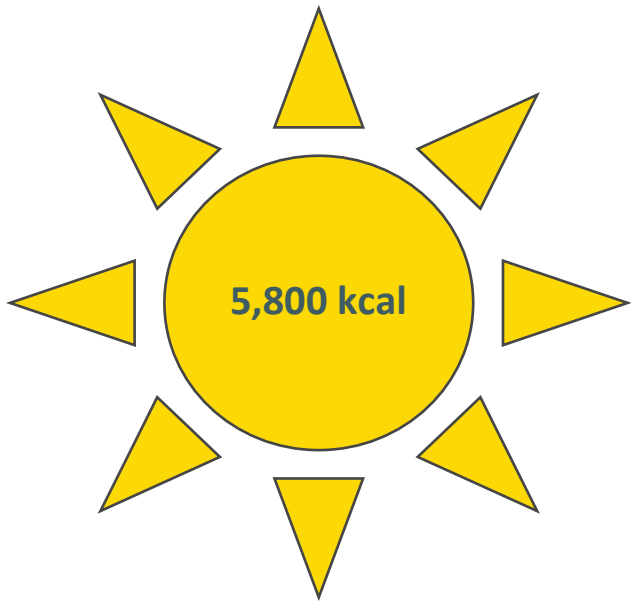
I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 I **get 100%** of my energy from the sun.

	x 0.6	<u>13,500 kcal</u>	x 0.1	
	↓	<b>Starting Energy</b>	↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 1 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

	x 0.6	<b>Round 2 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.5)
I get 100% (from sun)	_____			
	=	_____ kcal		

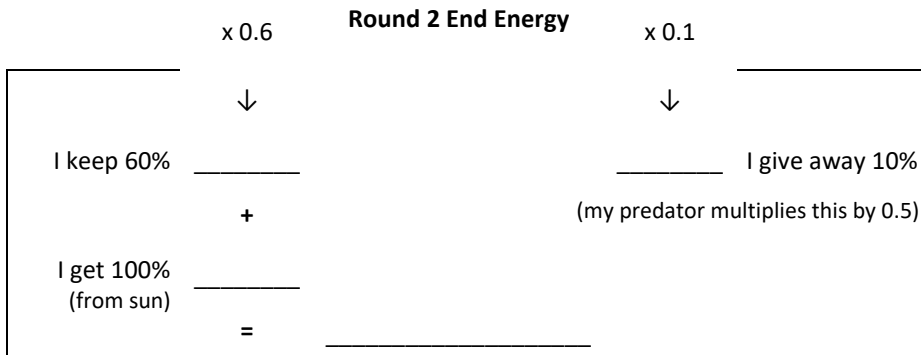
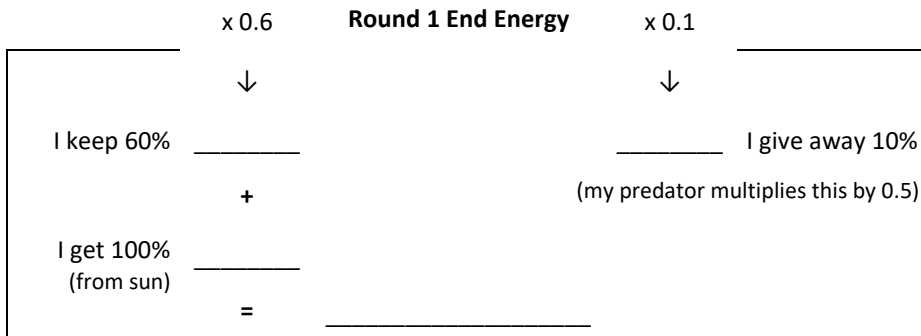
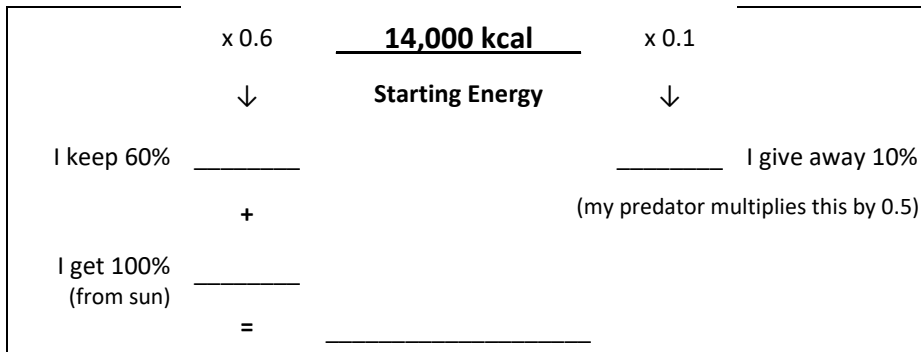
**Round 3 End Energy**



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I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 I **get 100%** of my energy from the sun.

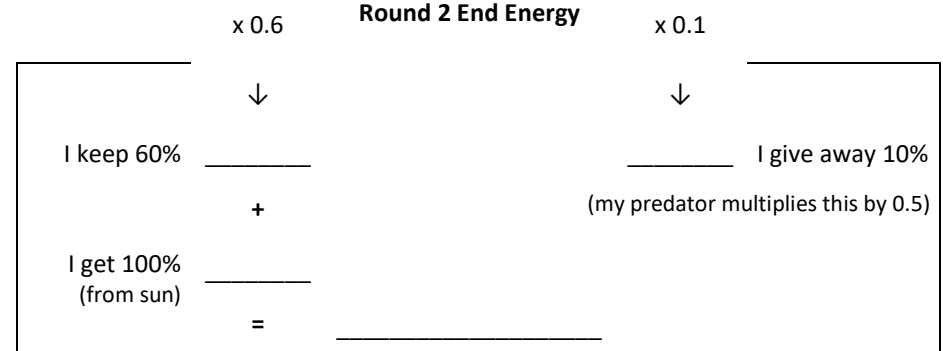
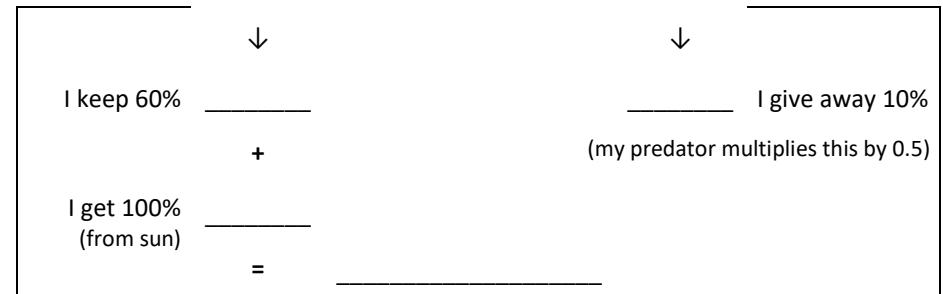
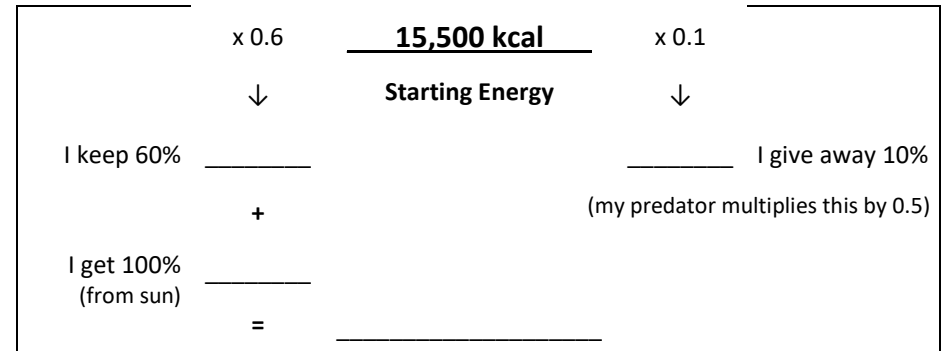


**Round 3 End Energy**

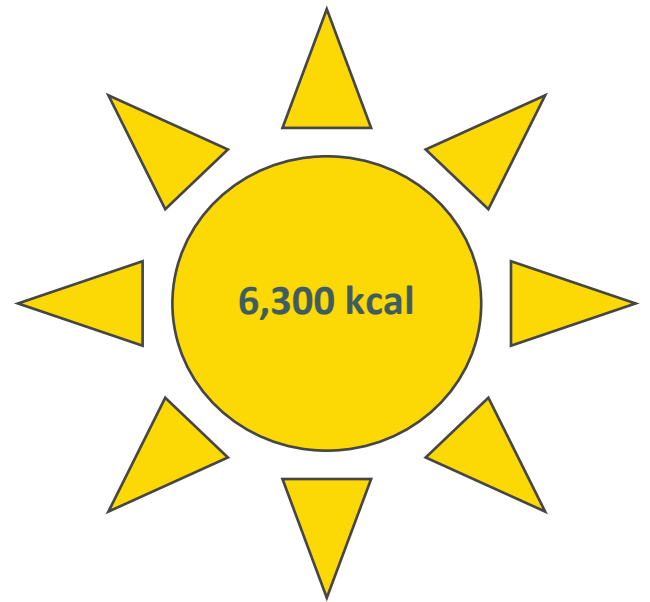
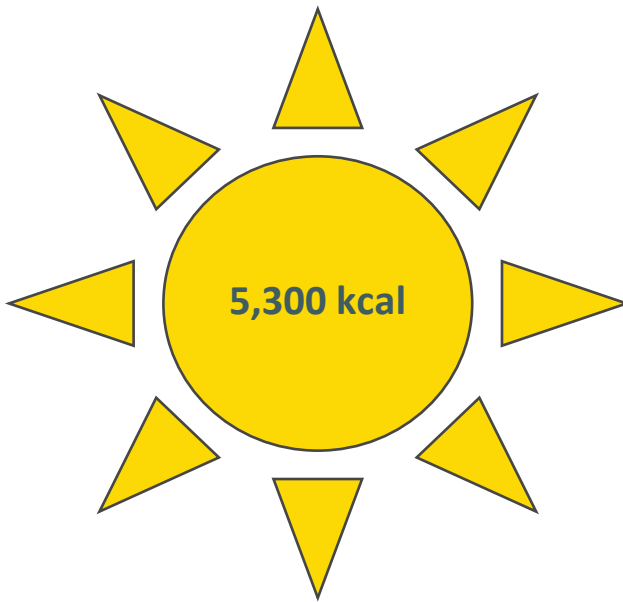
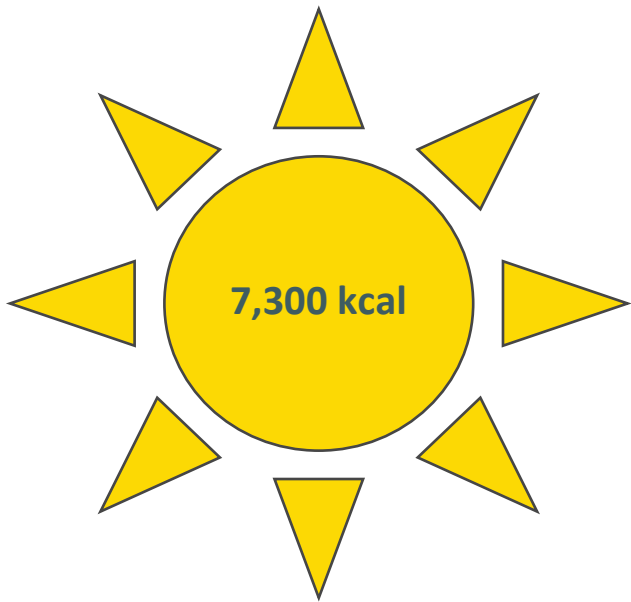
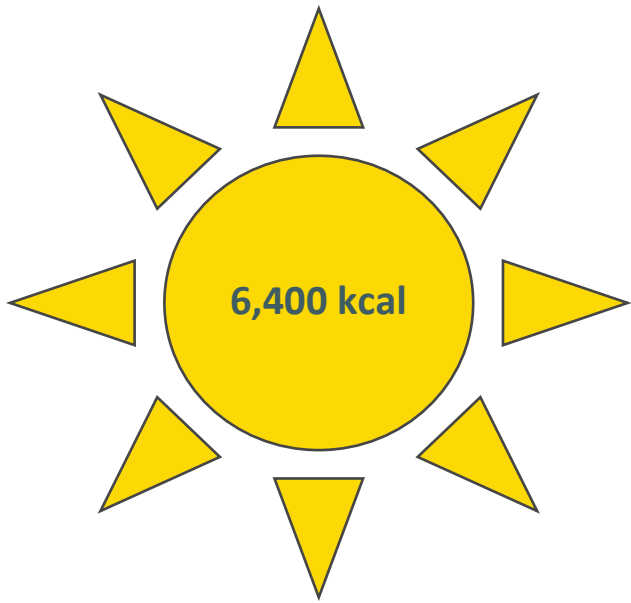
### Primary Producer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 I **get 100%** of my energy from the sun.



**Round 3 End Energy**





### Primary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 When I eat, I **eat 50%** of the energy my partner can give away.

	x 0.6	<b>1,000 kcal</b>	x 0.1
	↓	<b>Starting Energy</b>	↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 1 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 2 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

**Round 3 End Energy**

### Primary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 When I eat, I **eat 50%** of the energy my partner can give away.

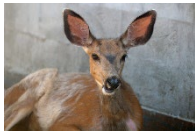
	x 0.6	<b>1,100 kcal</b>	x 0.1
	↓	<b>Starting Energy</b>	↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 1 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 2 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

**Round 3 End Energy**

### Primary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 When I eat, I **eat 50%** of the energy my partner can give away.

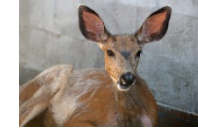
	x 0.6	<b>1,600 kcal</b>	x 0.1
	↓	<b>Starting Energy</b>	↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 1 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 2 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

**Round 3 End Energy**

### Primary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 When I eat, I **eat 50%** of the energy my partner can give away.

	x 0.6	<b>1,800 kcal</b>	x 0.1
	↓	<b>Starting Energy</b>	↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 0% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 1 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 2 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____		
	=	_____	

**Round 3 End Energy**



### Primary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 When I eat, I **eat 50%** of the energy my partner can give away.

	x 0.6	<u><b>2,000 kcal</b></u>	x 0.1	
	↓	<b>Starting Energy</b>	↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____			
	=	_____		

	x 0.6	<b>Round 1 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____			
	=	_____		

	x 0.6	<b>Round 2 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____			
	=	_____		

**Round 3 End Energy**



### Primary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 When I eat, I **eat 50%** of the energy my partner can give away.

	x 0.6	<u><b>2,500 kcal</b></u>	x 0.1	
	↓	<b>Starting Energy</b>	↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____			
	=	_____		

	x 0.6	<b>Round 1 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____			
	=	_____		

	x 0.6	<b>Round 2 End Energy</b>	x 0.1	
	↓		↓	
I keep 60%	_____		_____	I give away 10%
	+			(my predator multiplies this by 0.7)
I eat 50% (from prey)	_____			
	=	_____		

**Round 3 End Energy**



### Secondary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 When I eat, I **eat 70%** of the energy my partner can give away.

	x 0.6	<b>100 kcal</b>	x 0.1
	↓	<b>Starting Energy</b>	↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 1 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 2 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

**Round 3 End Energy**



### Secondary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 When I eat, I **eat 70%** of the energy my partner can give away.

	x 0.6	<b>200 kcal</b>	x 0.1
	↓	<b>Starting Energy</b>	↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 1 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 2 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

**Round 3 End Energy**



## Secondary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 When I eat, I **eat 70%** of the energy my partner can give away.

	x 0.6	<b>300 kcal</b>	x 0.1
	↓	<b>Starting Energy</b>	↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 1 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 2 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

**Round 3 End Energy**



## Secondary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 I can **give away 10%** of my starting/end of round energy away.  
 When I eat, I **eat 70%** of the energy my partner can give away.

	x 0.6	<b>400 kcal</b>	x 0.1
	↓	<b>Starting Energy</b>	↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 1 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

	x 0.6	<b>Round 2 End Energy</b>	x 0.1
	↓		↓
I keep 60%	_____		I give away 10%
	+		(my predator multiplies this by 0.7)
I eat 70% (from prey)	_____		
	=	_____	

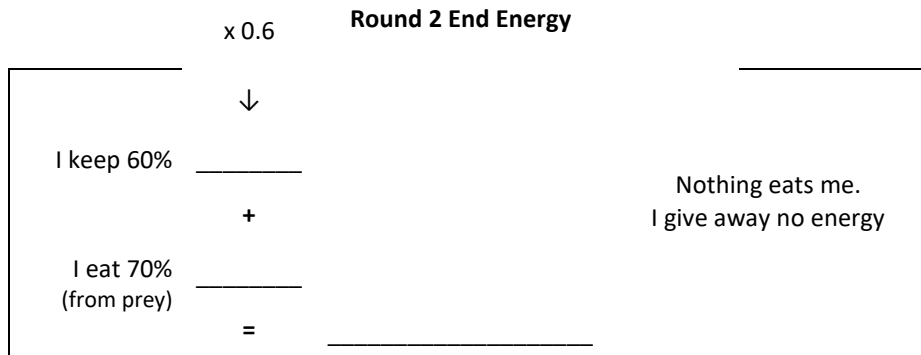
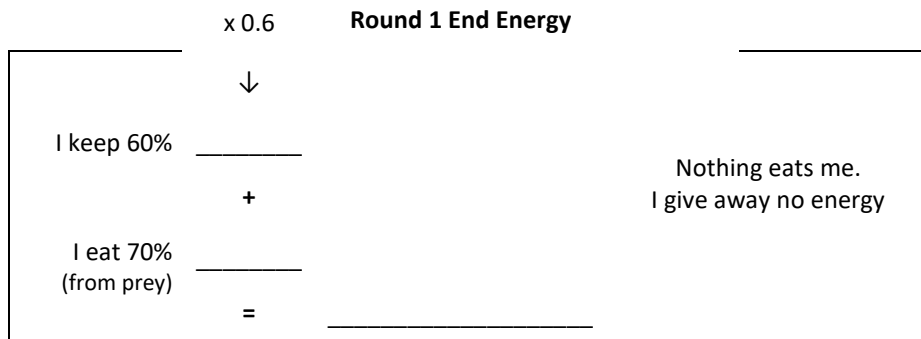
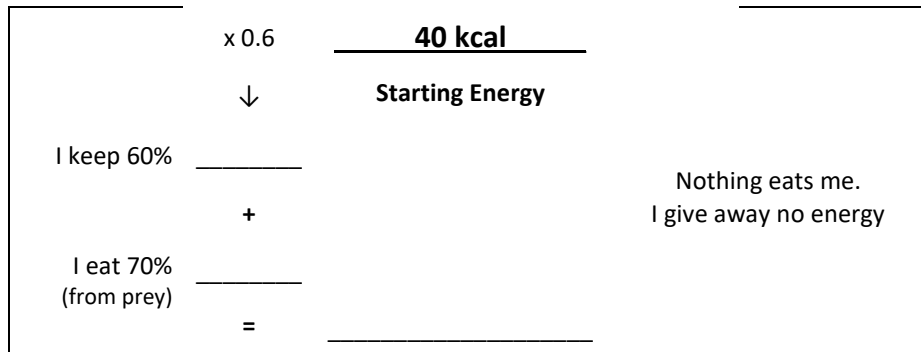
**Round 3 End Energy**



### Tertiary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 No one in this environment eats me, so I give no energy away.  
 When I eat, I **eat 70%** of the energy my partner can give away.



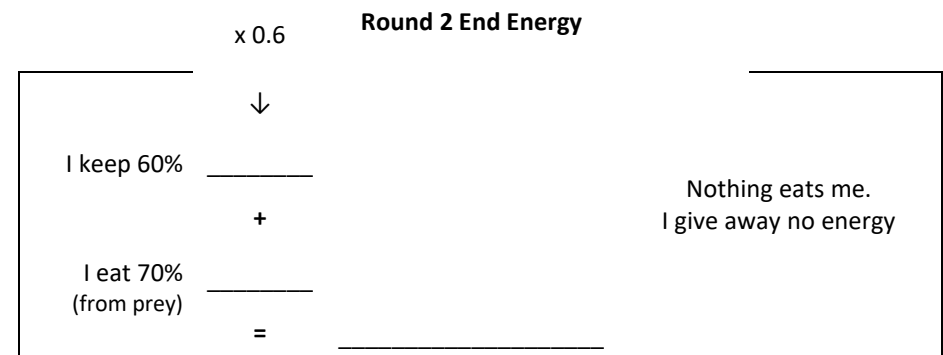
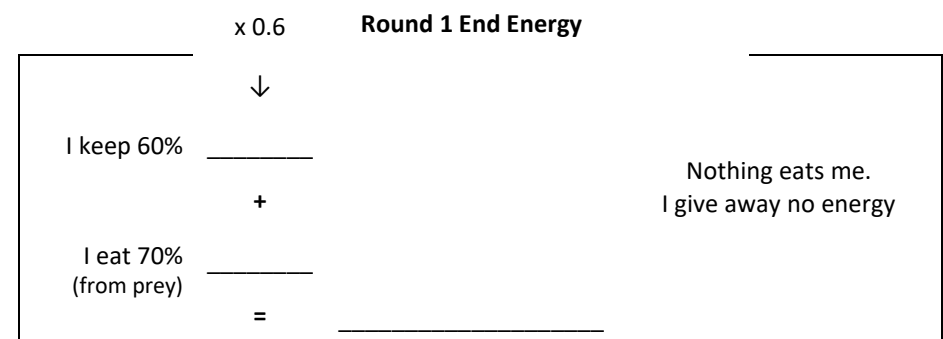
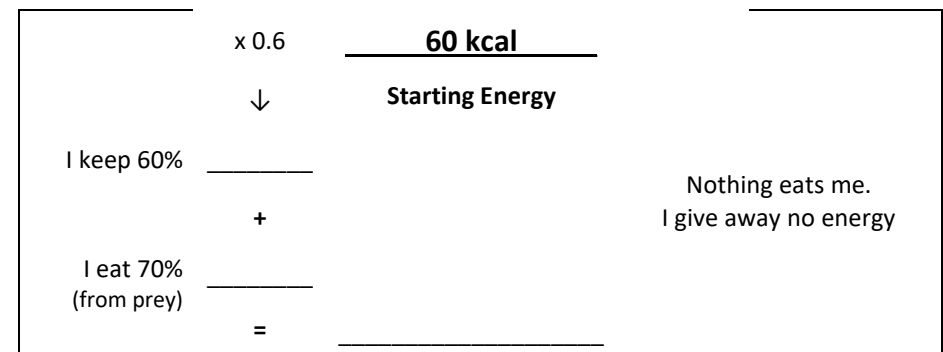
**Round 3 End Energy**



### Tertiary Consumer



I **keep 60%** of my starting/end of round energy for the next round.  
 No one in this environment eats me, so I give no energy away.  
 When I eat, I **eat 70%** of the energy my partner can give away.



**Round 3 End Energy**