







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.





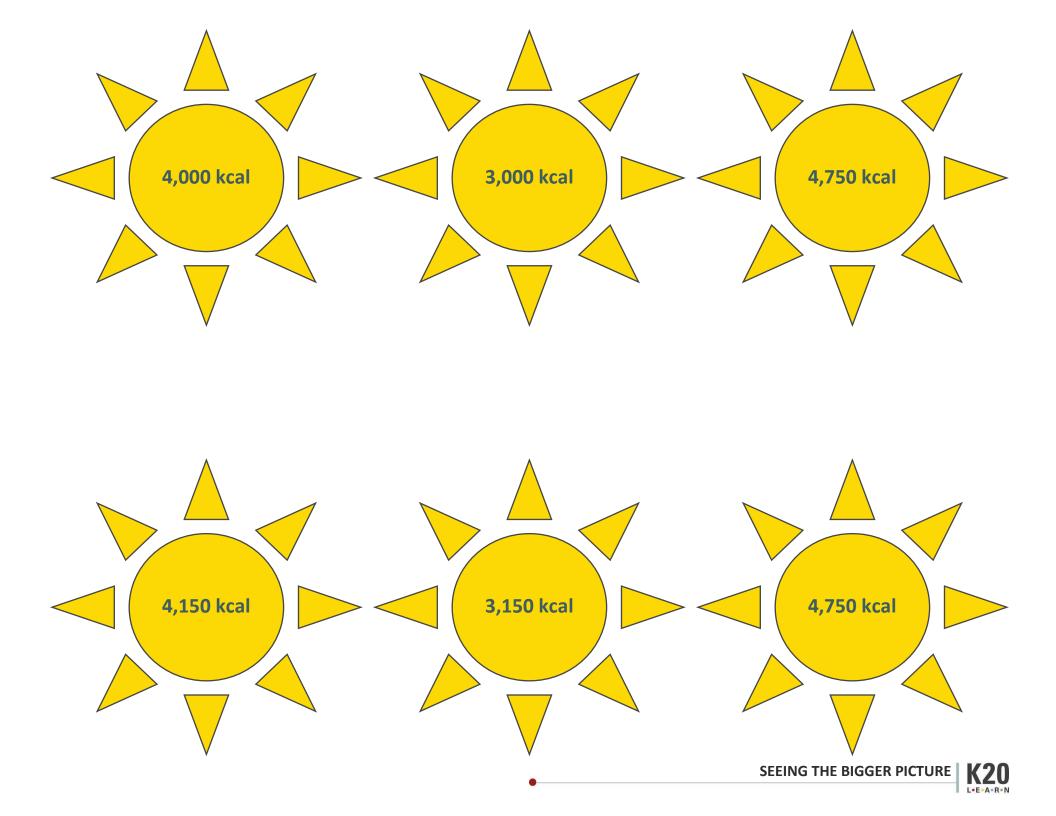




I keep 60% of my starting/end of round energy for the next round.
I can give away 10% of my starting/end of round energy away.
I get 100% of my energy from the sun.

	x 0.6	<b>10,000 kcal</b> x 0.1			x 0.6	10,250 kcal	x 0.1	
	$\checkmark$	Starting Energy $\qquad \downarrow$			$\checkmark$	Starting Energy	$\checkmark$	
I keep 60%			l give away 10%	I keep 60%				l give away 10%
	+	(my predator mu	ultiplies this by 0.5)		+	(m <sub>)</sub>	predator n	nultiplies this by 0.5)
l get 100%				l get 100%				
(from sun)	=	kcal		(from sun)	=	kcal		
	x 0.6	Round 1 End Energy x 0.1		<u> </u>	x 0.6	Round 1 End Energy	x 0.1	
	$\checkmark$	$\checkmark$			$\checkmark$		$\checkmark$	
I keep 60%			l give away 10%	l keep 60%				l give away 10%
	+	(my predator mu	ultiplies this by 0.5)		+	(m)	predator n	nultiplies this by 0.5)
l get 100%				l get 100%				
(from sun)	=	kcal		(from sun)	=	kcal		
	x 0.6	Round 2 End Energy x 0.1			x 0.6	Round 2 End Energy	x 0.1	
	$\checkmark$	$\checkmark$			$\checkmark$		$\checkmark$	
l keep 60%	v	V	l give away 10%		$\mathbf{v}$		¥	
	+	(my predator mi	Itiplies this by 0.5)	I keep 60%	+	(m)	nredator n	I give away 10% nultiplies this by 0.5)
l get 100%	•		, , ,	l get 100%	Ŧ	()		
(from sun)	=	kcal		(from sun)		kcal		
		Round 3 End Energy			-	Round 3 End Energy		





**Primary Producer** 







I keep 60% of my starting/end of round energy for the next round.
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 I get 100% of my energy from the sun.



# **Primary Producer**

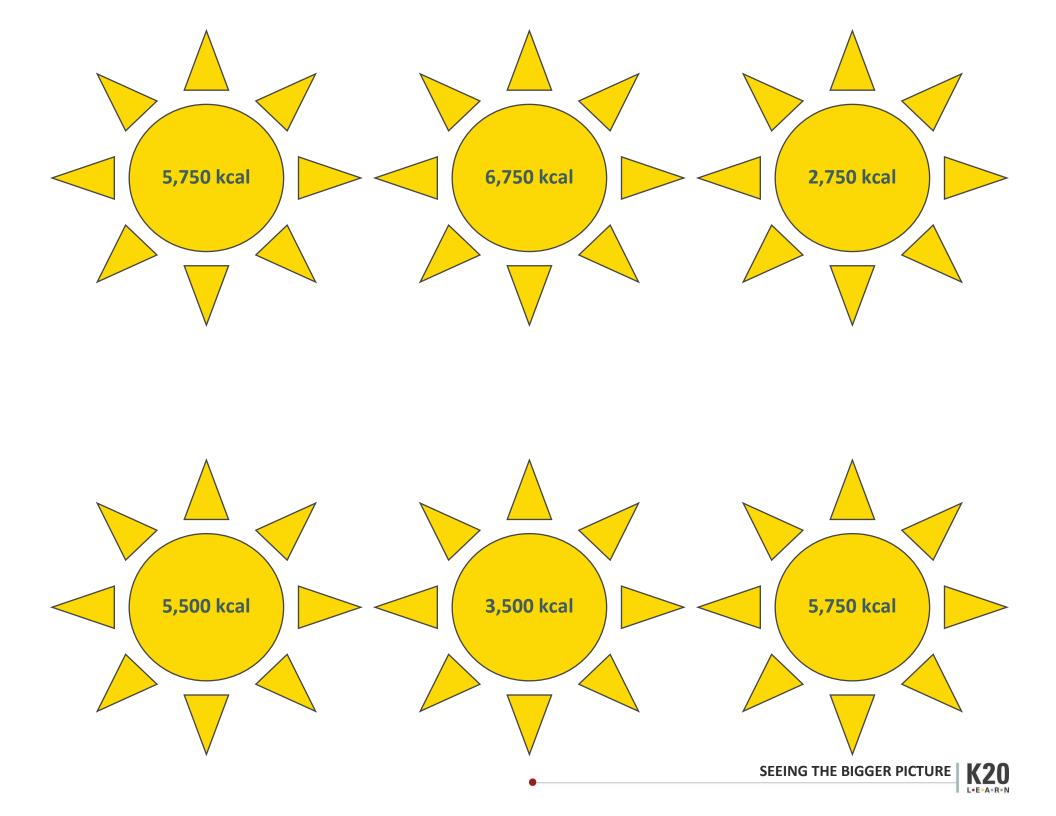




I keep 60% of my starting/end of round energy for the next round. I can give away 10% of my starting/end of round energy away. I get 100% of my energy from the sun.

	x 0.6	<b>11,250 kcal</b> x 0.1			x 0.6	12,500 kcal	x 0.1	
	$\downarrow$	Starting Energy $\downarrow$			$\checkmark$	Starting Energy	$\checkmark$	
l keep 60%			l give away 10%	l keep 60%				I give away 10%
	+	(my predator m	ultiplies this by 0.5)		+	(m)	y predator r	nultiplies this by 0.5)
l get 100%				l get 100%				
(from sun)	=	kcal		(from sun)	=	kcal		
	x 0.6	Round 1 End Energy x 0.1			x 0.6	Round 1 End Energy	x 0.1	
	$\downarrow$	$\checkmark$			$\downarrow$		$\downarrow$	
l keep 60%			l give away 10%	l keep 60%				I give away 10%
	+	(my predator m	nultiplies this by 0.5)		+	(m <sup>.</sup>	y predator r	nultiplies this by 0.5)
l get 100% (from sun)				l get 100%				
(from sun)	=	kcal		(from sun)	=	kcal		
	x 0.6	Round 2 End Energy x 0.1			x 0.6	Round 2 End Energy	x 0.1	
	$\checkmark$	$\checkmark$			$\checkmark$		$\checkmark$	
I keep 60%			l give away 10%	l keep 60%	·		·	l give away 10%
	+	(my predator m	nultiplies this by 0.5)		+	יm)	y predator r	nultiplies this by 0.5)
l get 100%				l get 100%				
(from sun)	=	kcal		(from sun)	=	kcal		
L		Round 3 End Energy				Round 3 End Energy		





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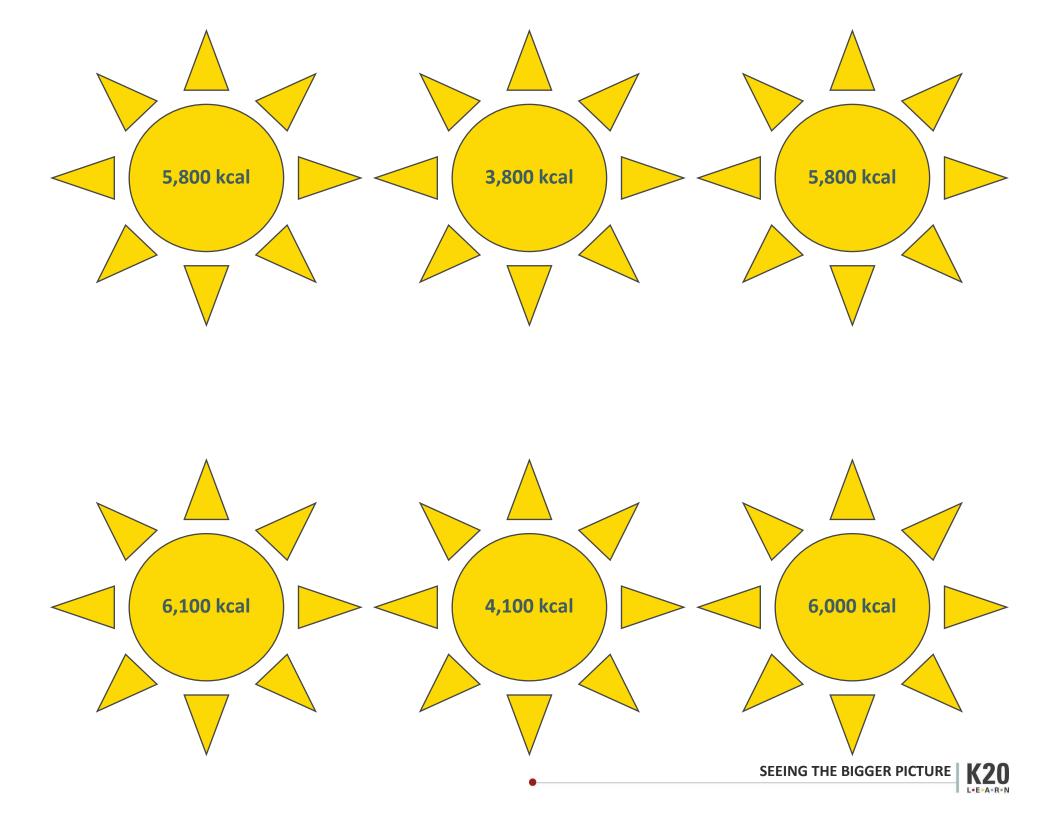




I keep 60% of my starting/end of round energy for the next round. I can give away 10% of my starting/end of round energy away. I get 100% of my energy from the sun.

	x 0.6	13,000 kcal	x 0.1			x 0.6	13,500 kcal	x 0.1	
	$\checkmark$	Starting Energy	$\downarrow$			$\checkmark$	Starting Energy	$\downarrow$	
I keep 60%				l give away 10%	l keep 60%				l give away 10%
	+	(m <sub>)</sub>	v predator m	nultiplies this by 0.5)		+	(m	y predator n	nultiplies this by 0.5)
l get 100% (from sun)					l get 100%				
(ITOITI SUIT)	=	kcal			(from sun)	=	kcal		
	x 0.6	Round 1 End Energy	x 0.1			x 0.6	Round 1 End Energy	x 0.1	
	$\checkmark$		$\downarrow$			$\checkmark$		$\downarrow$	
l keep 60%				l give away 10%	l keep 60%				l give away 10%
	+	(my	v predator m	nultiplies this by 0.5)		+	(m	y predator n	nultiplies this by 0.5)
l get 100% (from sun)					l get 100% (from sun)				
(	=	kcal				=	kcal		
	x 0.6	Round 2 End Energy	x 0.1			x 0.6	Round 2 End Energy	x 0.1	
	$\checkmark$		$\downarrow$			$\checkmark$		$\downarrow$	
I keep 60%				l give away 10%	l keep 60%				l give away 10%
	+	(my	v predator m	nultiplies this by 0.5)		+	(m	y predator n	nultiplies this by 0.5)
l get 100%					l get 100%				
(from sun)	=	kcal			(from sun)	=	kcal		
		Round 3 End Energy					Round 3 End Energy		

SEEING THE BIGGER PICTURE



**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.



### **Primary Producer**





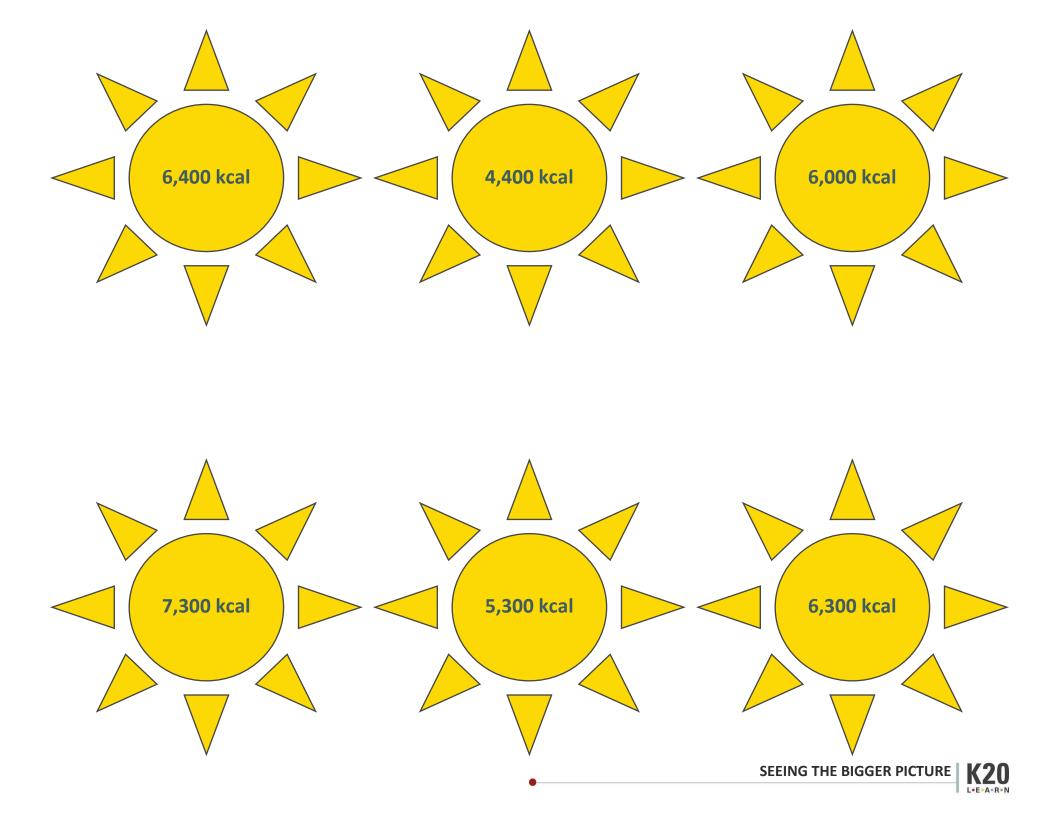
I keep 60% of my starting/end of round energy for the next round. I can give away 10% of my starting/end of round energy away. I get 100% of my energy from the sun.

	x 0.6	<b>14,000 kcal</b> x 0.1			x 0.6	15,500 kcal	x 0.1	
	$\downarrow$	Starting Energy $\downarrow$			$\checkmark$	Starting Energy	$\checkmark$	
l keep 60%			l give away 10%	l keep 60%				l give away 10%
	+	(my predator m	ultiplies this by 0.5)		+	(m	ny predator n	nultiplies this by 0.5)
l get 100%				l get 100% (from sun)				
(from sun)	=			(nom sun)	=			
L	x 0.6	Round 1 End Energy x 0.1			x 0.6	Round 1 End Energy	x 0.1	
	$\downarrow$	$\checkmark$			$\checkmark$		$\checkmark$	
I keep 60%			l give away 10%	l keep 60%				l give away 10%
	+	(my predator m	ultiplies this by 0.5)		+	(m	ny predator n	nultiplies this by 0.5)
l get 100%				l get 100% (from sun)				
(from sun)	=			(nom sun)	=			
L	x 0.6	Round 2 End Energy x 0.1			x 0.6	Round 2 End Energy	x 0.1	
	$\checkmark$	$\checkmark$			$\checkmark$		$\checkmark$	
l keep 60%			l give away 10%	l keep 60%				I give away 10%
	+	(my predator m	ultiplies this by 0.5)		+	(m	ny predator n	nultiplies this by 0.5)
l get 100%				l get 100%				
(from sun)	=			(from sun)	=			
		Round 3 End Energy		L		Round 3 End Energy		

SEEING THE BIGGER PICTURE

L•E•A•R•N





**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.

# **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	1,000 kcal	x 0.1			,	x 0.6	1,100 kcal	x 0.1	
	$\checkmark$	Starting Energy	$\checkmark$				$\checkmark$	Starting Energy	$\checkmark$	
l keep 60%				l give away 10%		I keep 60%				I give away 10%
	+	(1	my predator m	nultiplies this by 0.7)			+	(my	predator m	Aultiplies this by 0.7)
l eat 50% (from prey)						l eat 50%				
(nom prey)	=					(from prey)	=			
	x 0.6	Round 1 End Energy	x 0.1				x 0.6	Round 1 End Energy	x 0.1	
	$\checkmark$		$\downarrow$				$\checkmark$		$\checkmark$	
I keep 60%			<u> </u>	l give away 10%		I keep 60%				l give away 10%
	+	()	my predator m	nultiplies this by 0.7)			+	(m	ny predator n	nultiplies this by 0.7)
l eat 50% (from prey)						l eat 50% (from prey)				
(	=		-			(nom prey)	=			
	x 0.6	Round 2 End Energy	x 0.1				x 0.6	Round 2 End Energy	x 0.1	
	$\checkmark$		$\downarrow$				$\checkmark$		$\checkmark$	
l keep 60%				l give away 10%		l keep 60%				l give away 10%
	+	(1	my predator m	nultiplies this by 0.7)			+	(m	ny predator n	nultiplies this by 0.7)
I eat 50%						l eat 50%				
(from prey)	=					(from prey)	=			
L		Round 3 End Energy			- I			Round 3 End Energy		

L•E•A•R•N





## **Primary Consumer**





I keep 60% of my starting/end of round energy for the next round.
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**Primary Consumer** 





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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			x 0.6	1,800 kcal	x 0.1	
	$\checkmark$	Starting Energy $\qquad \downarrow$			$\downarrow$	Starting Energy	$\checkmark$	
I keep 60%			_ I give away 10%	l keep 60%				I give away 10%
	+	(my predator	multiplies this by 0.7)		+	()	my predator r	nultiplies this by 0.7)
I eat 50% (from prey)				l eat 0%				
(nom prey)	=			(from prey)	=		-	
	x 0.6	Round 1 End Energy x 0.1			x 0.6	Round 1 End Energy	x 0.1	
	$\checkmark$	$\checkmark$			↓		$\checkmark$	
l keep 60%			_ I give away 10%	l keep 60%				I give away 10%
	+	(my predator	multiplies this by 0.7)		+	(1	my predator r	nultiplies this by 0.7)
I eat 50% (from prey)				l eat 50%				
(nom prey)	=			(from prey)	=		-	
	x 0.6	Round 2 End Energy x 0.1			- x 0.6	Round 2 End Energy	x 0.1	
	$\checkmark$	$\checkmark$		]	-		$\checkmark$	
l keep 60%			_ I give away 10%	l keep 60%				l give away 10%
	+	(my predator	multiplies this by 0.7)		+	(1	my predator r	nultiplies this by 0.7)
l eat 50%				l eat 50%				
(from prey)	=			(from prey)	=			
L		Round 3 End Energy		J [	_	Round 3 End Energy		

L•E•A•R•N





#### **Primary Consumer**





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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.

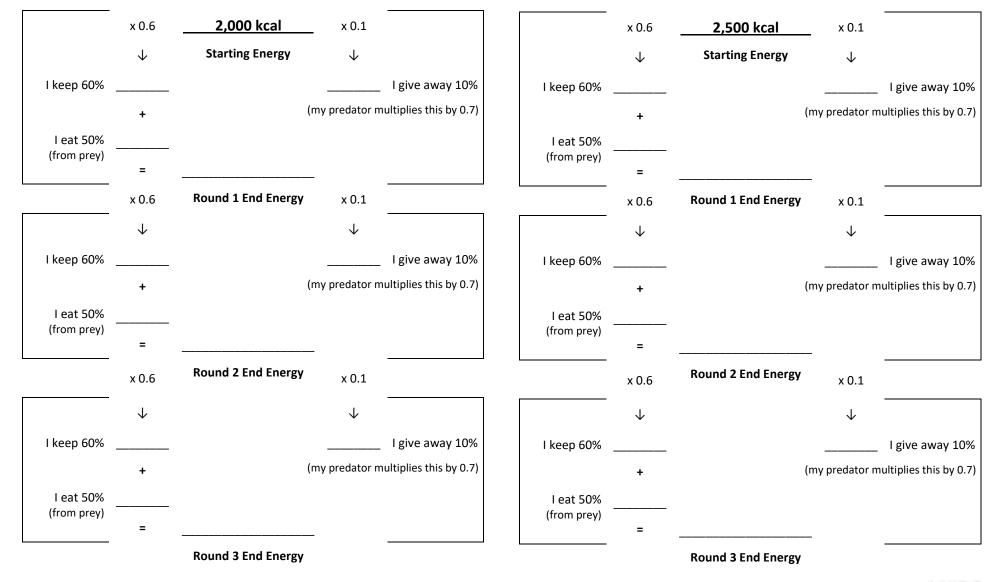


**Primary Consumer** 





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 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.



SEEING THE BIGGER PICTURE

L.E.A.R.N





#### **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.

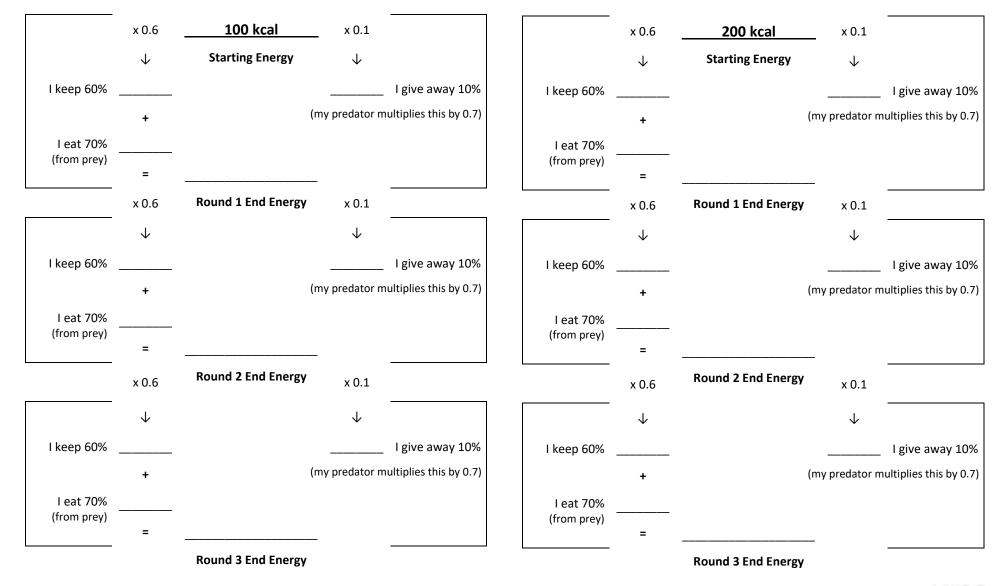


#### **Secondary Consumer**





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.



SEEING THE BIGGER PICTURE

L.E.A.B.N

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#### 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.

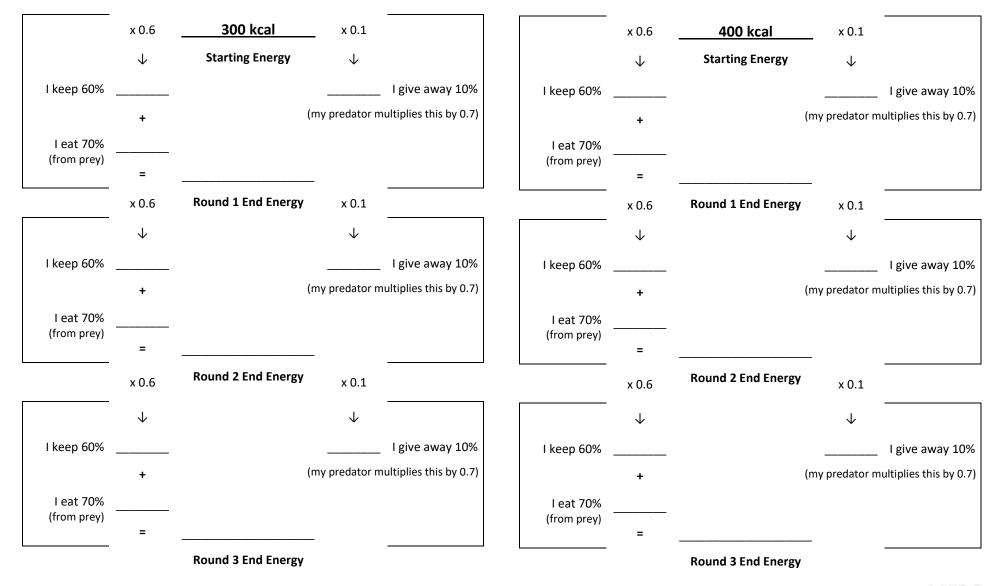


#### **Secondary Consumer**





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.



L.E.A.B.N

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#### **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.



#### **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.

