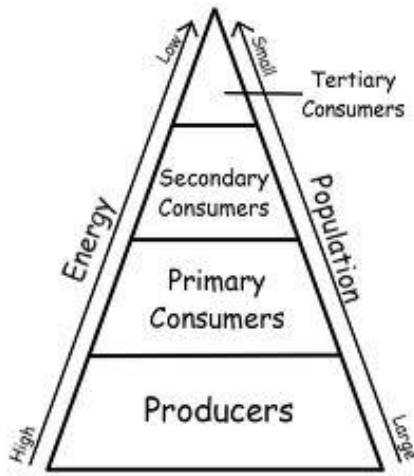


Energy Pyramid Practice Worksheet

Energy Pyramids show the loss of energy through an ecosystem.



4th Trophic Level = _____

3rd Trophic Level = _____

2nd Trophic Level = _____

1st Trophic Level = _____

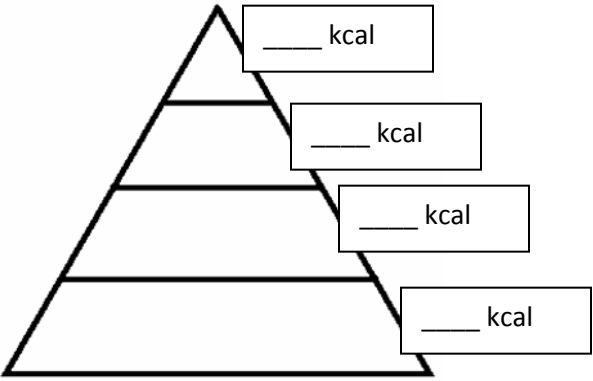
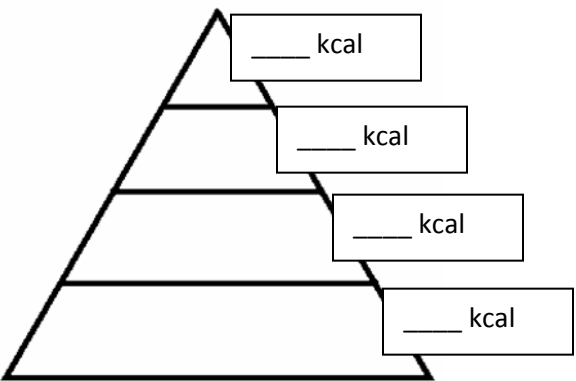
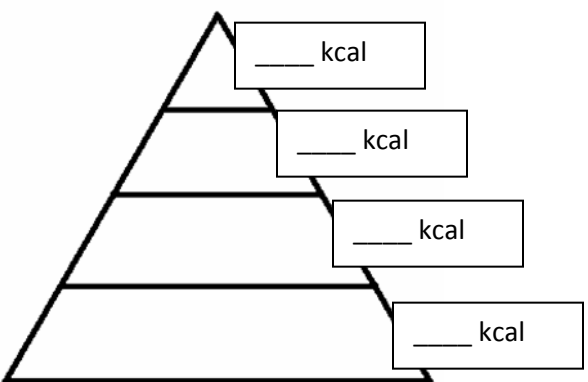
Place the organisms in each food chain into the proper location on the energy pyramid.

<p>1. Acorn → Squirrel → Crow → Coyote</p>	
<p>2. Phytoplankton → Shrimp → Snapper → Shark</p>	
<p>3. CREATE YOUR OWN FOOD CHAIN.</p>	

4. Only 10% of the energy available at each trophic level moves on to the next level. What happens to the other 90%? _____

5. An easy way to calculate the amount of energy available at each level is to _____

Complete the pyramid in each question.

<p>6. Acorn → Squirrel → Crow → Coyote</p> <p>1,000 kcal are available for the 1st trophic level, 100 kcal for the 2nd trophic level, 10 kcal for the 3rd trophic level. How many kcal are available for the tertiary consumer? _____</p> <p>Fill in the organisms and energy amounts on the pyramid to the right.</p>	 <p>An energy pyramid with four horizontal levels. To the right of each level is a rectangular box containing a blank line followed by the text 'kcal'. The boxes are positioned to the right of the pyramid's edge, with the top box at the top level and the bottom box at the base level.</p>
<p>7. Phytoplankton → Shrimp → Snapper → Shark</p> <p>There are 2,500 kcal available for the 1st trophic level.</p> <p>There are _____ kcal available for the 2nd trophic level.</p> <p>There are _____ kcal available for the 3rd trophic level.</p> <p>There are 2.5 kcal available for the 4th trophic level.</p> <p>Fill in the organisms and energy amounts on the pyramid to the right.</p>	 <p>An energy pyramid with four horizontal levels. To the right of each level is a rectangular box containing a blank line followed by the text 'kcal'. The boxes are positioned to the right of the pyramid's edge, with the top box at the top level and the bottom box at the base level.</p>
<p>8. Use the food chain you created in #3 and complete the energy pyramid.</p> <p>_____ kcal for the 1st trophic level.</p> <p>_____ kcal for the 2nd trophic level.</p> <p>_____ kcal for the 3rd trophic level.</p> <p>_____ kcal for the 4th trophic level.</p> <p>Fill in the organisms and energy amounts on the pyramid to the right.</p>	 <p>An energy pyramid with four horizontal levels. To the right of each level is a rectangular box containing a blank line followed by the text 'kcal'. The boxes are positioned to the right of the pyramid's edge, with the top box at the top level and the bottom box at the base level.</p>