

Names of Group Members: _____

What Do Plants and Animals Do With Energy?

Scientists estimate the daily dose of energy from the sun contains about 10^{22} Joules of energy! About 1% of this energy gets captured during photosynthesis makes its way from producers to primary consumers to secondary consumers, and so on. Have you ever though about what all this energy is used for?

Objective: The objective of this activity is to consider how plants and animals use energy.

Instructions: Think about all the way in which plants and animals use energy, both at the level of the cell and the level of the whole organism. Jot your ideas down in the chart below and decide whether plants or animals are the biggest energy users.

Plants make glucose during photosynthesis. They convert some of their glucose to ATP so they can use it for activities such as:	Animals, including humans, convert glucose, obtained from food, into ATP. ATP is used for: