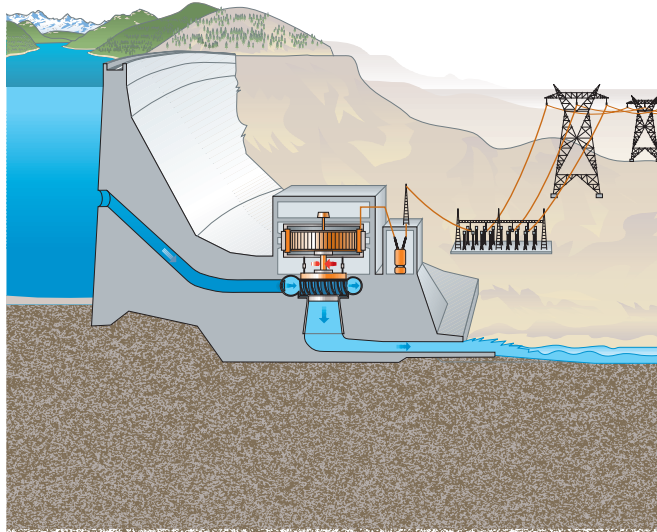


Extension Worksheet 1

Name: _____ Class: _____ Date: _____

1. Look at the image and answer the questions.



- a. What form of energy is the plant using to produce electricity?

- b. How is electric energy produced?

2. A student concluded that an object's energy is not conserved when it falls from a height because the friction of the air slows it down, decreasing the energy with which it falls.

- a. What properties of energy does the student include in this conclusion?

Extension Worksheet 2

Name: _____ Class: _____ Date: _____

1. Answer the questions about photosynthesis.

a. What energy transformation takes place?

b. Why is this transformation important to living things?

2. What are one advantage and one disadvantage of hydroelectric generators?

3. Read the results of an experiment and answer the questions.

	Car 1	Car 2	Car 3
Speed	5 m/s	5 m/s	5 m/s
Mass	100 g	120 g	150 g

a. What are the experiment's variables?

b. Which of the three cars has the most kinetic energy? Why?
