

Name: \_\_\_\_\_

Date: \_\_\_\_\_



# GENIUSCHALLENGE

## ENERGY TRANSFER

1. "The ability to make things happen" is the definition of what word?

\_\_\_\_\_

2. The bike Dr. Jeff's mom is riding uses a generator to convert \_\_\_\_\_

energy to \_\_\_\_\_ energy, which is then used to charge BERT.

3. True or false: a generator PRODUCES energy. \_\_\_\_\_

4. List two things that might spin a generator to produce electricity.

1. \_\_\_\_\_ 2. \_\_\_\_\_

5. Where does the energy in your home electrical outlets come from?

\_\_\_\_\_

6. True or false: batteries store energy as chemical energy. \_\_\_\_\_

7. Explain how Dr. Jeff provides energy to make the singing fish work.

\_\_\_\_\_

8. What is an example of energy transfer by heat?

\_\_\_\_\_

9. Zoe's s'more maker is an example of transferring energy through:

a. light

b. sound

c. electricity

d. lasers

10. What does a solar cell do?

\_\_\_\_\_