

Student Name \_\_\_\_\_ Class Period \_\_\_\_\_ Today's Date \_\_\_\_\_

## **Copy and Summarize – Physical Science Topic 25**

### INSTRUCTIONS:

- Neatly print your full name, date, and class period at the top of this page, and on the back.
- On the back of this page – copy the text below. Then summarize the concepts in your own words.

## **The Use of Energy, Its Conservation, and Equilibrium**

### *Physical Science Topic 25*

Energy can be seen in multiple ways and be used to accomplish goals by building machines that capture and use that energy. These machines will transfer one type of energy to another form until a balance between the amounts of the different forms of energy is reached. Show this by building a machine to accomplish a task.

1. Thermal energy of an object is associated with the disordered motions of its atoms or molecules and the number and types of atoms or molecules of which the object is made.
2. Energy can be transformed (converted) within a system.
3. Energy can be transformed (converted) within a system.
4. Energy can be transferred from one system to another (or from a system to its environment) in different ways: by conduction, mechanically, electrically, or by radiation (electromagnetic waves).

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**Copy the Text Here (Use Additional Sheet of Paper, if Necessary)**

**Summarize the Text in Your Own Words. (Use complete sentences).**