

What Is It? – Solid, Liquid or Gas?

Matter

Matter		
Solid	Liquid	Gas
Examples of Each		

What Happened?

Playdough as a Solid	Containers of Liquid	Observing a Gas

Draw an example of when matter changed from one state to another.

Where I see the three states of matter in the picture...

Transfer of Energy

Station #	Name the type of energy ---Explain what is happening	Illustration
1		
2		
3		

How do we get energy from?

Wind	Water	Fossil Fuels

Since energy can be transferred from one item to another, name different items that could be powered from the following types of energy

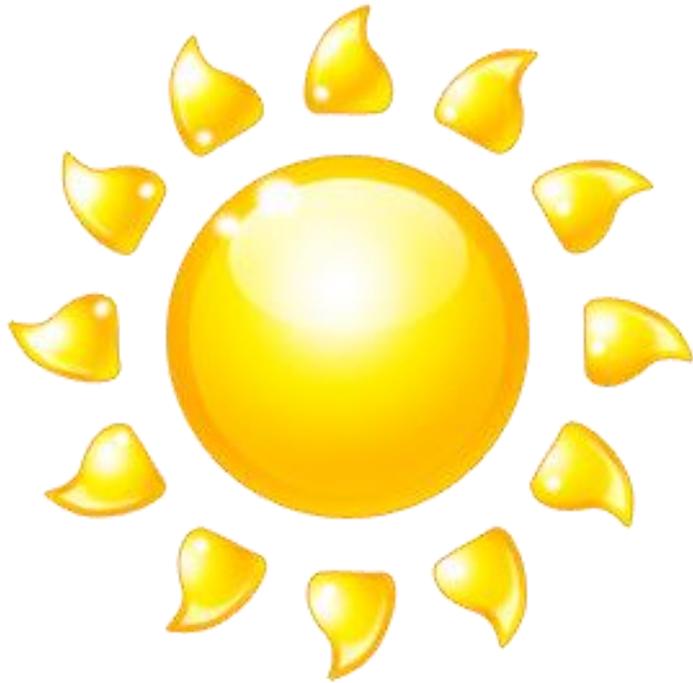
Electric Energy	Burning of Fuels

Explain and illustrate one transfer of energy that you demonstrated during your stations.	Explain one way wind energy is used to move thing.
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Inventory of Energy Sources and What They Power

Energy Source	What It Powers

I can reduce energy usage by.....
Give an example of one item above that uses energy
and how you can reduce the amount of energy used.







Questions that can be asked with the card set to help focus the student's attention on energy.

- a. Which picture represents the source of light that is a form of pure energy?
- b. Which is a type of a fossil fuel that is burned to produce energy? It can heat homes or produce electricity when burned.
- c. Which of these items rely on a form of natural energy to turn and produce electricity?
- d. Which picture uses water moving to produce electricity?
- e. Although we don't control this type event, it can produce a form of light or heat energy in the sky.
- f. Which item is burned to produce steam energy?
- g. Which object stores a form of chemical energy that can be exhausted after use?
- h. What object is often used to produce heat energy to cook foods when you are camping?
- i. What can a human body get energy from?
- j. What picture represents a way to generate electricity that some areas utilize?

- a. Sun
- b. Coal
- c. Wind
- d. Water wheel or water picture
- e. Lightning
- f. Trash (for trash to steam plants)
- g. Battery
- h. Wood
- i. Fruits
- j. Nuclear