

L31 — Matter vs Energy

Read Aloud Passage

Matter is anything that takes up space and has weight, whether it is a solid, a liquid, or a gas. Energy has no weight and takes up no space of its own, even though it can move matter around.

Heat, light, sound, and motion are all forms of energy, not matter. Matter and energy interact in almost everything that happens, but the two don't turn into each other in everyday life.

Activity 1

One statement below does NOT belong with the others about matter vs energy. Circle it and explain why it does not belong.

- A. Matter is anything that takes up space and has weight, whether it is a solid, a liquid, or a gas.
- B. Heat, light, sound, and motion are all forms of energy, not matter.
- C. Energy has no weight and takes up no space of its own, even though it can move matter around.
- D. A muscle can never push.

Why does it not belong?

Activity 2

Because / But / So — complete each sentence three different ways.

Matter is anything that takes up space and has weight, whether it is a solid, a liquid, or a gas because

Matter is anything that takes up space and has weight, whether it is a solid, a liquid, or a gas but

Matter is anything that takes up space and has weight, whether it is a solid, a liquid, or a gas so

Activity 3

Start with the kernel sentence. Use the prompts to expand it into a more detailed sentence.

Kernel sentence: Heat, light, sound, and motion are all forms of energy, not matter.

How?

Why?

Write your expanded sentence:

Activity 4

Write one of each type of sentence about matter vs energy.

Statement (Declarative):

Question (Interrogative):

Exclamation (Exclamatory):

Command (Imperative):

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