



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 What is the most accurate relationship between **energy** and **power**?

- A power requires energy
- B power and energy are the same thing
- C energy and power are forms of matter
- D power does not require energy



2 Coal is called a **fossil fuel**. What has originally given coal its **energy**?

- A coal is hard
- B coal is black
- C coal's energy builds up over time
- D coal has solar energy



3 In a coal-fired electrical power plant, the **original** form of energy is \_\_\_\_\_.

4 To create electricity, **coal** is **burned** to make turbines **move** which creates **electricity**. What is the correct series of energy transformations in a coal-burning power plant?



## PREVIEW

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7

A potential energy of a substance  
B chemical energy of a substance  
C kinetic energy of particles in a substance  
D mechanical energy of a substance

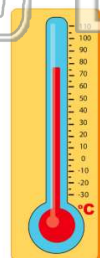
determine what the **increase** in **temperature** would have to be in order to boil water.

- A 32°C    C 100°C
- B 78°C    D 212°C



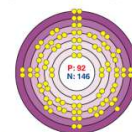
9 The **type of energy** measured by a thermometer is \_\_\_\_\_.

- A chemical
- B mechanical
- C thermal
- D electrical



10 In many **nuclear-powered** electrical power plants, the original energy comes from \_\_\_\_\_.

- A the turbines
- B the electrical wires
- C disintegrating radioactive atoms
- D the breaking of chemical bonds





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# NEW PATH LEARNING

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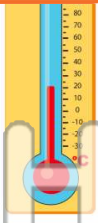
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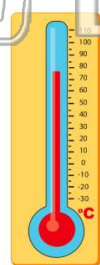
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