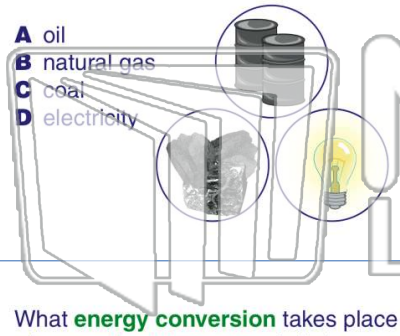
Energy and energy resources

Sci G

Name_____ Class_____ Date_____

1 Which of the following is not a **fossil fuel**?



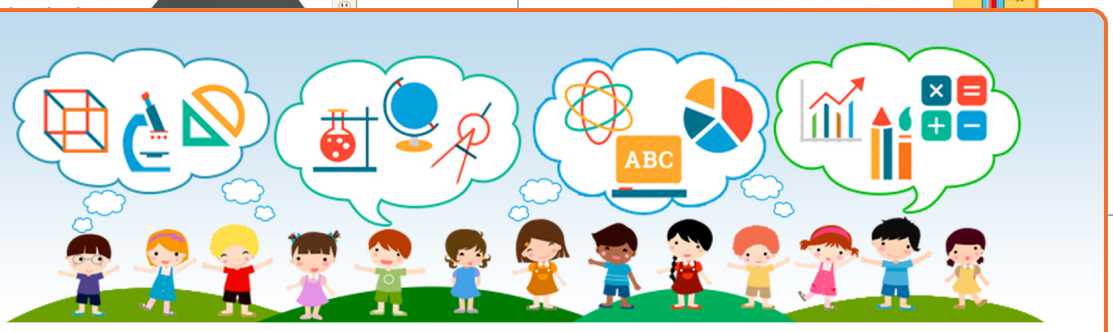
A oil
B natural gas
C coal
D electricity

2 What form of energy does a **microwave oven** produce?

A electrical
B electromagnetic
C mechanical
D chemical

3 What **energy conversion** takes place when a **microwave oven** is being used?

4 Using the formula for converting Celsius degrees to Fahrenheit degrees below convert **50˚C** to **˚F**.

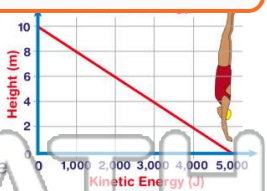


5

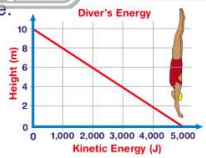
7

A thermal and mechanical energy
B electrical and mechanical energy
C thermal and electrical energy
D electromagnetic and mechanical energy

A car that is running but not moving
B Olympic diver making a complete dive
C battery in use
D sled going uphill

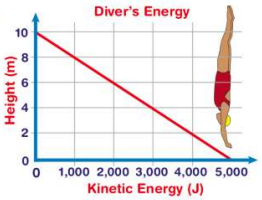


9 Using the graph below, interpret what has happened **during** the dive.



A the diver has gained potential energy
B the diver has gained kinetic energy
C the diver has lost kinetic energy
D the diver's kinetic energy transferred into potential energy

10 Using the graph below, determine how much kinetic energy the diver has when she has **dropped** 6 m.



A 1,000 J
B 2,000 J
C 3,000 J
D 4,000 J

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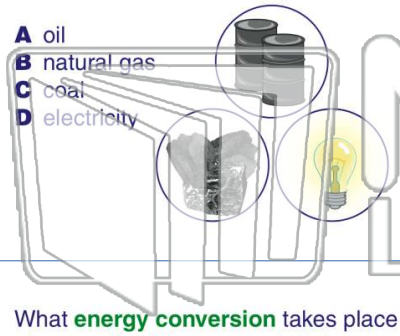

D

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B

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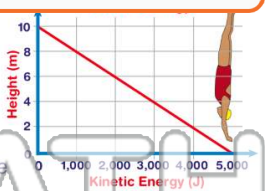

B

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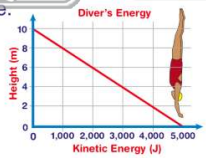

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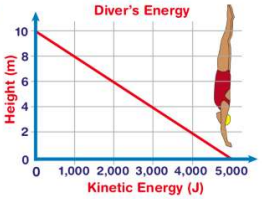

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C