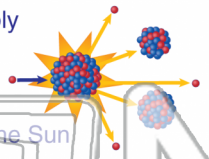
Energy: Forms and Changes

Sci G

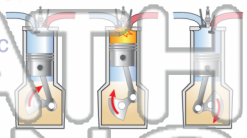
Name_____ Class_____ Date_____

1 What is used to supply power at a **nuclear power plant**?



A nuclear fusion in the Sun
B infrared radiation
C heat from the nuclear fission of uranium
D electromagnetic radio waves

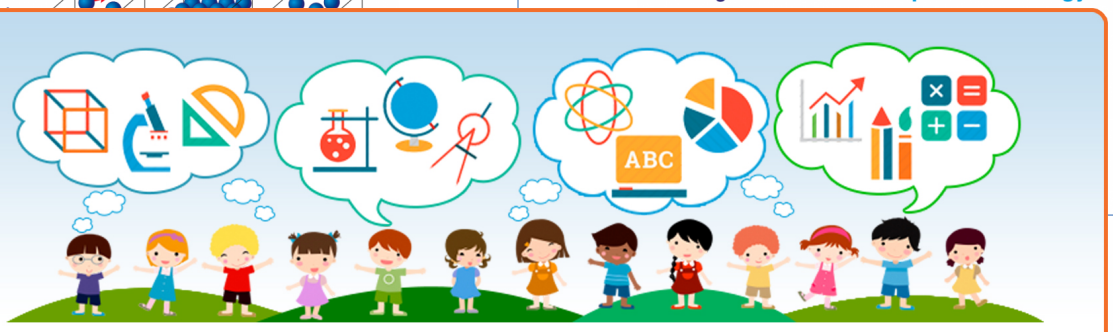
2 A **steam turbine**, **combustion engine**, and an **air conditioner** are all technologies that apply the use of _____ **energy**.



A electromagnetic
B thermal
C solar
D nuclear

3 Using the diagram below, predict the **state of matter** of the particles in box 1.

4 Using the diagram of a pendulum below, decide at which point or points there is the greatest amount of **potential energy**.



5

7 ice cube by which **process**?

A radiation
B conduction
C convection
D condensation

A transferred
B produced
C destroyed
D measured

9 Match the term with the correct example.

☐	**chemical energy**	**A.** gasoline
☐	**thermal energy**	**B.** uranium
☐	**nuclear energy**	**C.** ultraviolet radiation
☐	**electromagnetic energy**	

10 Match the term with the correct example.

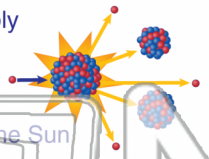
☐	**fossil fuel**	**A.** wind
☐	**heat technology**	**B.** refrigeration
☐	**nuclear resource**	**C.** petroleum
☐	**renewable resource**	

Energy: Forms and Changes

Sci G

Name_____ Class_____ Date_____

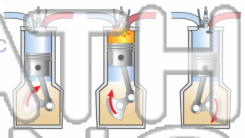
1 What is used to supply power at a **nuclear power plant**?



A nuclear fusion in the Sun
B infrared radiation
C heat from the nuclear fission of uranium
D electromagnetic radio waves

C

2 A **steam turbine**, **combustion engine**, and an **air conditioner** are all technologies that apply the use of _____ **energy**.



A electromagnetic
B thermal
C solar
D nuclear

B

3 Using the diagram below, predict the **state of matter** of the particles in box 1.

D

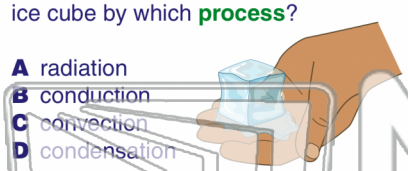
4 Using the diagram of a pendulum below, decide at which point or points there is the greatest amount of **potential energy**.

D

5

D

7 ice cube by which **process**?



A radiation
B conduction
C convection
D condensation

B

A transferred
B produced
C destroyed
D measured

A

9 Match the term with the correct example.

☐	**chemical energy**	**A.** gasoline
☐	**thermal energy**	**B.** uranium
☐	**nuclear energy**	**C.** ultraviolet radiation
☐	**electromagnetic energy**	

10 Match the term with the correct example.

☐	**fossil fuel**	**A.** wind
☐	**heat technology**	**B.** refrigeration
☐	**nuclear resource**	**C.** petroleum
☐	**renewable resource**	