

QUIZZZTemperature and Thermal Energy
11 Questions

NAME : _____

CLASS : _____

DATE : _____

- Thermal energy always moves from warmer substances to cooler substances.
True False
- The temperature of a substance increases as _____.
the substance's mass increases the average kinetic energy of its particles increases
the substance's volume increases
- Molecules do THIS when they heat up
Move faster Move closer together
- What is temperature?**
It is a **measure** of the **average kinetic energy** of the particles in the substance. It is the **total kinetic and potential energy** of particles in the substance.
- What is thermal energy?**
It is a **measure** of the **average kinetic energy** of the particles in the substance. It is the **total kinetic and potential energy** of particles in the substance.
- When temperature decreases, the particles move _____.
faster slower

7.



A thermometer measures the _____.

temperature

potential energy

mass

8.



Which has more thermal energy?



Which one has a **higher temperature**?

Boiling Kettle

Freezing Iceberg

9.



Which has more thermal energy?



Which one has a **higher thermal energy**?

Boiling Kettle

Freezing Iceberg

10.

Which has more thermal energy?

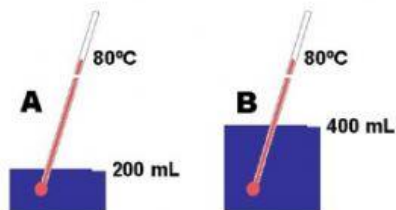


The ICEBERG has a **higher thermal energy because:**

Iceberg's temperature is higher than the kettle.

The amount of particles in the iceberg is much more than the kettle.

11.



Which one is using more energy?

A

B

