

Vocabulary



insulator something that slows the movement of heat energy from one place to another

Coolers, refrigerators, and some clothing act as insulators. They are used to keep objects cool.

melting when a solid becomes a liquid

When a solid absorbs heat energy, it can melt. When ice melts it becomes liquid water. Different substances melt at different temperatures.

physical change a change that makes something different in size, shape, or state of matter

If you cut an apple in half, you still have two parts of an apple. Its shape has changed but it is still an apple. When water freezes, it is still water. When an ice cube melts, it is still water. Melting and freezing are physical changes.

surface area a measure of the total area of all the surfaces of an object

A crushed ice cube has more surface area than a whole ice cube.