



# 6.9AB

## Thermal Energy

### Picture Vocabulary

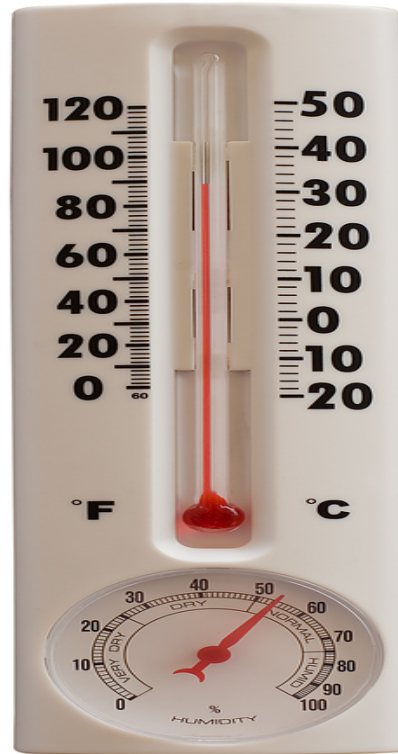


# Thermal Energy



The energy of heat, which transfers from hotter objects to colder objects

# Temperature



A measurement for the sensation of “how hot” or “how cold”

# Conduction



The transfer of heat that occurs when two objects of different temperatures touch: matter must be in direct contact

# Conductor



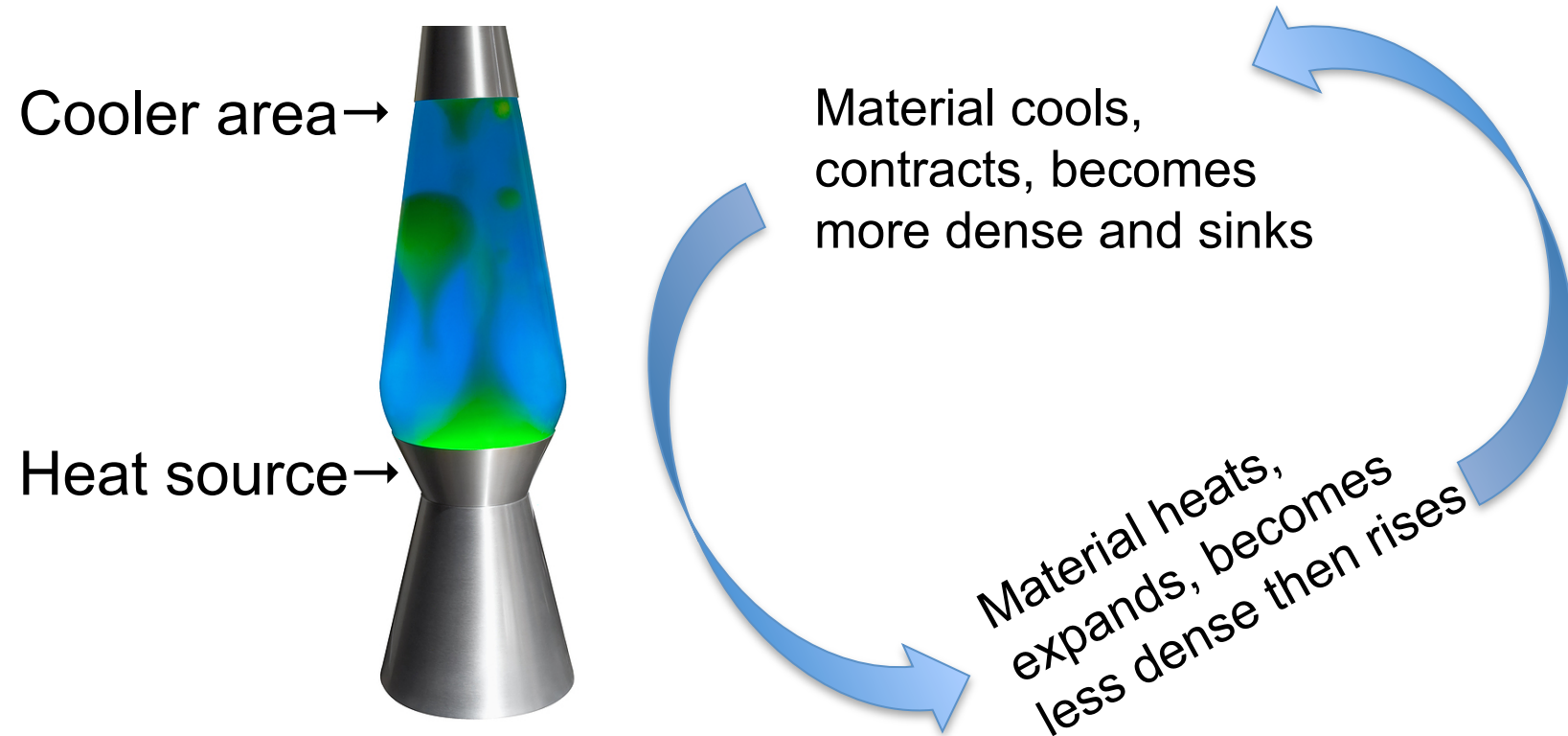
A substance that heat or electricity can easily flow through

# Insulator



A material that protects or resists the transfer of heat, electricity or noise

# Convection



The transfer of heat from one place to another, when matter is in direct contact and is in motion due to density changes in liquid or gas

# Radiation



The transfer of heat that occurs through empty space, matter need not be in direct contact or be present