



Guided Practice

Graphic Organizer

Use the terms in the word bank to complete the graphic organizer below.

Word Bank

convection

temperature

Sun

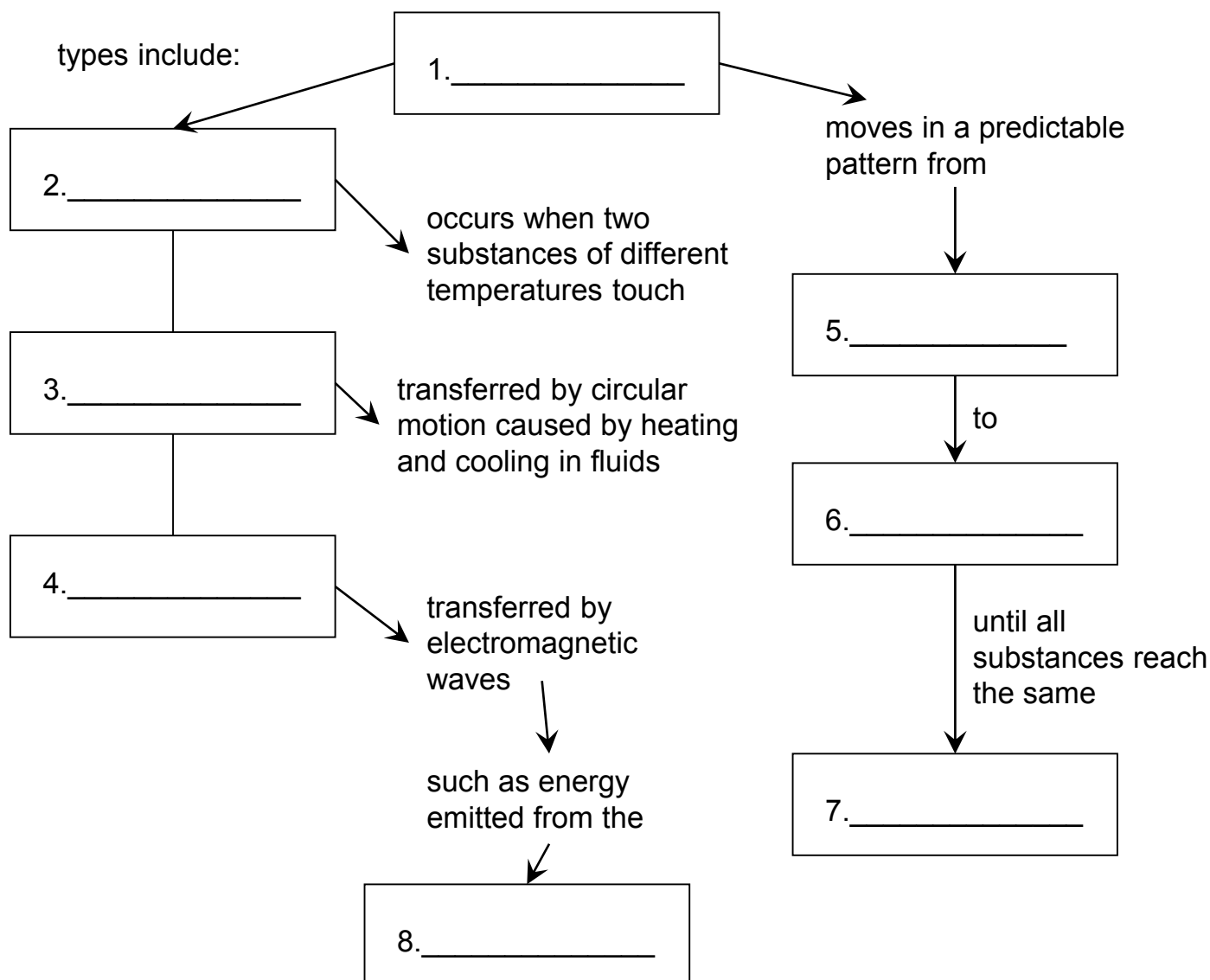
radiation

Thermal energy

conduction

cooler

warmer





Guided Practice

Check Understanding

Directions: Fill in the blanks using the word bank below.

Word Bank

Touch

Sun

Less

Conductors

Radiation

Convection

Insulators

Thermal energy can be transferred to matter in several ways: convection, conduction, and _____. Thermal energy that is transferred when two objects of different temperatures _____ is called conduction. Radiation occurs when thermal energy transfers through empty space, such as heat from the _____. An example of _____ is when ice cubes melt in a glass of water. A current forms in which heat moves from particles with more heat to particles with _____ heat. Materials such as metal and tile are good _____ because heat can easily transfer through them. _____ such as cloth or wood do not conduct heat well.

Directions: Answer the questions below using complete sentences.

1. Why does ice cream melt on a hot day? Which type of thermal energy transfer does this melting represent? _____

2. If two objects have different temperatures, which direction will heat move? For how long?
