**Guided Notes: Heating Patterns**

**Answers:**

climate

evaporate

polar climate

temperate climate

tropical climate

tropical

polar

**Guided Notes: Atmospheric Currents**

**Answers:**

Coriolis effect

polar easterlies

trade winds

westerlies

trade winds

warm

**Guided Notes: Ocean Currents**

**Answers:**

Gulf Stream

current

prevailing winds

uneven heated

Coriolis effect

Brazil Current

El Niño

trade winds

cooler, drier

dry, rain

rainy, drought

**Guided Notes: Atmospheric Circulation**

**Answers:**

pressure

barometer

low pressure

high pressure

convection currents

polar jet stream

greenhouse effect

greenhouse

deserts

desert

trade winds

**Guided Notes: Ocean Circulation**

**Answers:**

Gulf Stream

California Current

thermal energy

less dense

denser

surface

deep

air temperature

climate

Gulf Stream

California Current

**Guided Notes: Thermal Energy**

**Answers:**

radiation

conduction

convection

thermal energy

heat

climate

conduction

warmer, cooler

**Guided Notes: The Climate System**

**Answers:**

climate

system

greenhouse

photosynthesis

temperature differences

prevailing, ocean

poles, equator

fossil fuels

Gulf Stream

prevailing

**Guided Notes: Earth’s Biomes**

**Answers:**

biome

temperate deciduous

250

hot

50 90

30 90

25

permafrost

tallest, 200

tundra, permafrost