

**Chapter 2.1-2 --How the Earth Works
(Climate and Vegetation) Learning Outcomes**

Name _____

Class Period _____ Date _____

Use the following list of statements to measure your understanding of Chapter 2. If you answered "No" to any of the statement(s), explain "why not" after the statement(s).

SECTION 1

Yes

☐

No

☐

I have read Chapter 2 Section 1 (pages 63-76)

☐☐

I can identify and describe the six main factors that influence climate

☐☐

I can explain why seasons change

☐☐

I can identify and describe the four elements of weather

☐☐

I can describe how convection affects temperature and precipitation

☐☐

I can identify position/conditions during the earth's revolution including:
Name, date, season, hours of sunlight, whether the days will get longer or shorter and where the direct ray of the sun hit on certain dates

☐☐

I can identify and describe three types of precipitation

☐☐

I can identify two factors that create deserts

☐☐

I can summarize main climate regions from the equator to the poles

☐☐

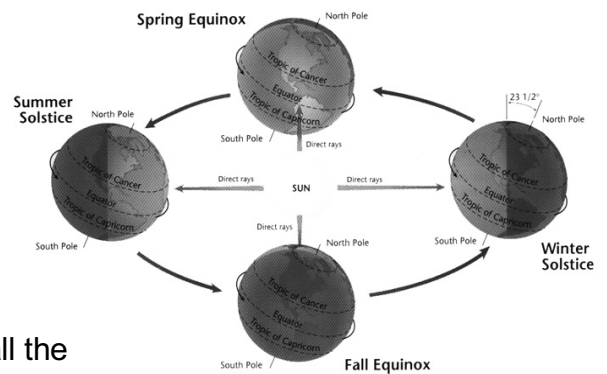
I can identify places that have different climates than other climates at the same latitude and explain what makes the climate different

☐☐

I can interpret climate graphs

☐☐

I understand the usage of and can define all the vocabulary words listed on the back of this sheet



SECTION 2

☐☐

I have read Chapter 2 Section 2 (pages 76-83)

☐☐

I can identify and describe five biome types including the types of plants that are typical of each biome

☐☐

I can describe relationships between plants and climates in regions and identify examples of what types of plants grow in certain climates.

☐☐

I can explain why certain plants grow in some places and not in others

☐☐

I understand the usage of and can define all the vocabulary words listed on the back of this sheet

Chapter 2 Vocabulary

Learning vocabulary is one of the most important skills in any subject. Because weather, seasons, climate, and biomes are precise scientific topics, there are **many** vocabulary terms that are needed to understand and describe these aspects of physical geography. To do well on the Chapter 2 test, you should know each of the following terms. Not all terms are in the glossary, so read the chapter carefully and look for these terms.

weather	pg. 63
atmosphere	pg. 63
climate	pg. 63
rotation	pg. 64
revolution	pg. 64
solstice	pg. 65
equinox	pg. 65
tropical zone (low latitude)	pg. 65
temperate zone (mid-latitude)	pg. 65
polar zone (high latitude)	pg. 65
convection	pg. 66
atmospheric pressure	pg. 66
low pressure	pg. 66
high pressure	pg. 66
wind	pg. 66
Coriolis effect	pg. 66
precipitation	pg. 67
humidity	pg. 67
convictional precipitation	pg. 68
orographic precipitation	pg. 68
windward	pg. 68
leeward	pg. 68
rain shadow	pg. 68
frontal precipitation	pg. 68
warm front	pg. 68
cold front	pg. 68
continental climate	pg. 69
environment	pg. 77
biome	pg. 77
tropical rain forest	pg. 78
deciduous	pg. 79
coniferous	pg. 80
chaparral	pg. 80
savanna	pg. 81
prairie	pg. 81
steppe	pg. 81
tundra	pg. 82
permafrost	pg. 82

Class Notes

Tropical climates

Marine climate

Temperate climate

Subarctic climate

Natural Vegetation