

Year 7

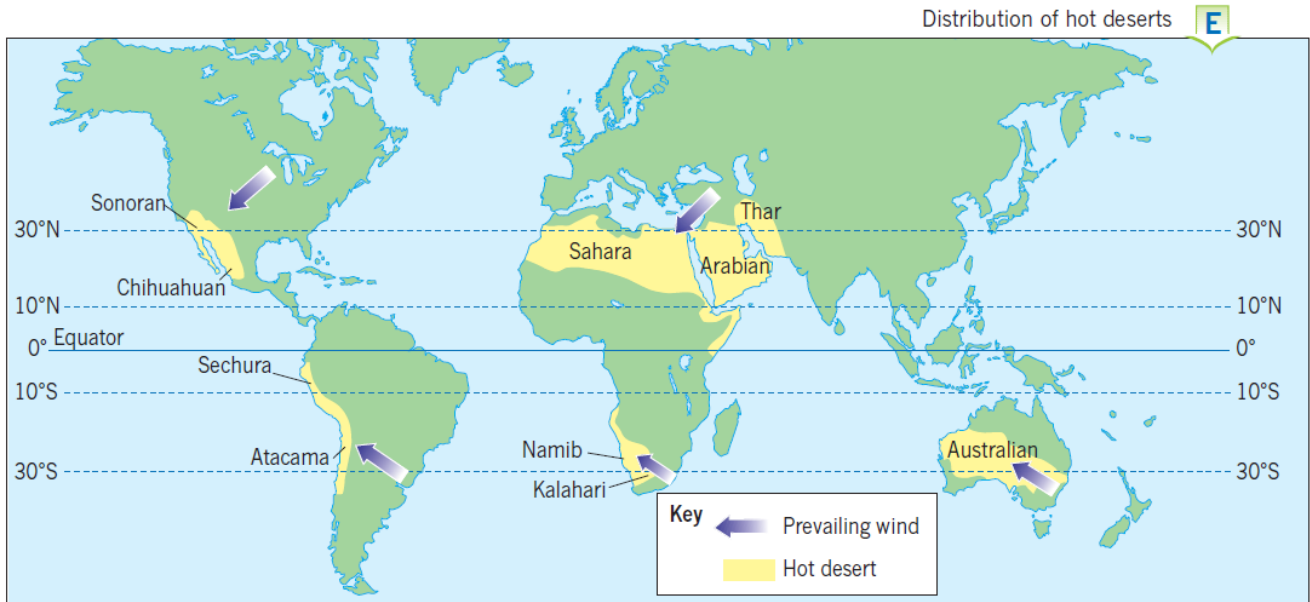
Name:

Teacher:

Title: What is a desert?

Task 1: Using the map below, describe the distribution of deserts around the world.

Distribution = the pattern/location

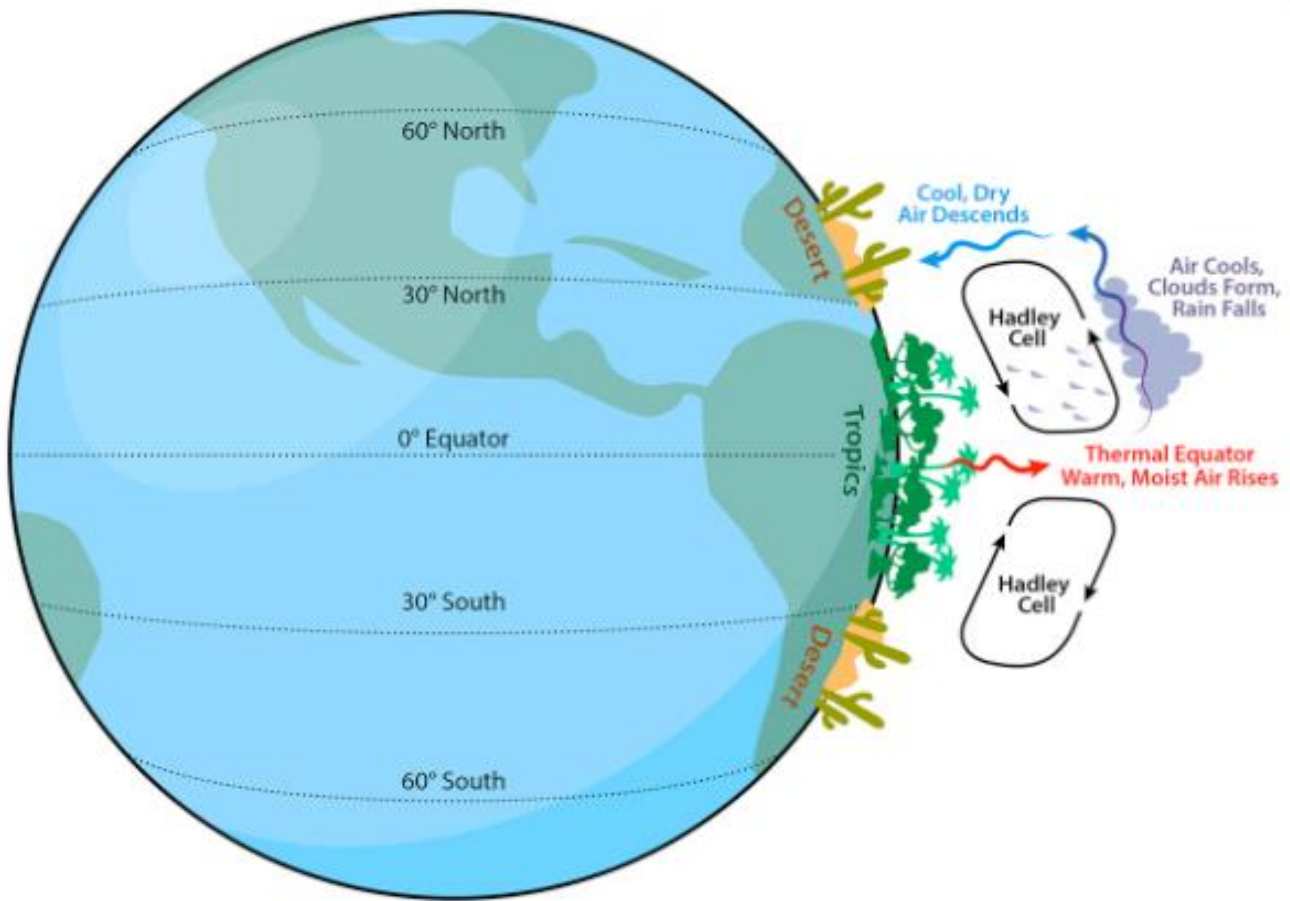


Key words to include: Tropic of Cancer, Tropic of Capricorn, Equator

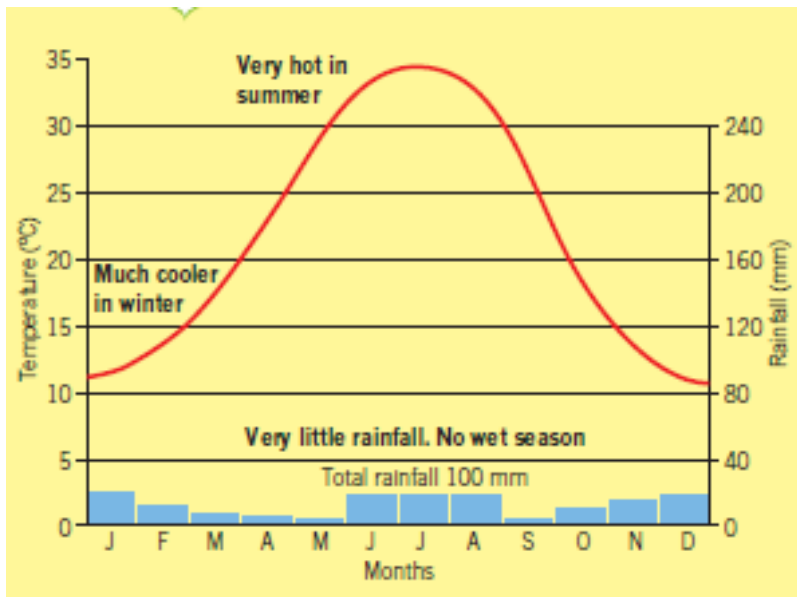
Task 2: Complete the gap fill to explain how Hadley cells create deserts – use the image on the next page to help you.

As _____ rises from the _____, _____ rainfall occurs. The air soon reaches the top of the _____ and is forced away from the Equator. The air cools and sinks creating _____ (dry) air along the Tropic of Cancer and Tropic of _____. _____ cells circulate the air from the Equator to the tropics, helping form _____.

Key words: Equator warm convectional atmosphere Capricorn
Hadley deserts sinks arid



Task 3: The graph below shows you a climate graph – a graph made up of **temperature (°C)** and **precipitation (mm)**. Answer the questions below using the climate graph.



1. What is the hottest month in a desert? _____
2. What is the coolest month in a desert? _____
3. Which three months have the highest rainfall? How do you know this? _____

4. Which month has an average temperature of 25°C and precipitation (rainfall) of 5 mm? _____

5. Describe the changes in rainfall and temperature for a desert. Use numbers from the graph to back up your answer e.g. *January's temperature was roughly 11°C with rainfall of 20mm.*
