Climates Around the World

Grade 3 Science Worksheet - Challenge Me

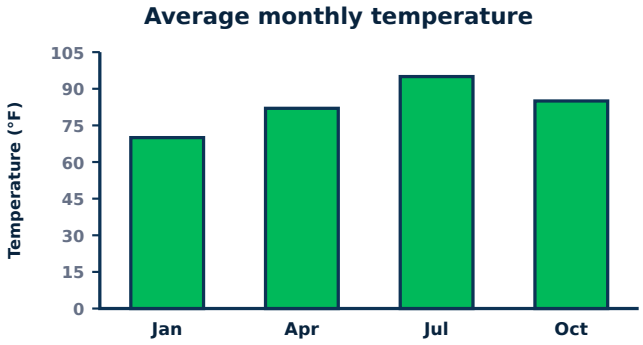
Name _____ Date _____

Circle the answer.

1. Two cities are the same distance from the equator. City A is on the coast; City B is far inland. Which data would show which has milder winters?
   - the number of people in each city
   - average January temperatures for both over many years
   - the rain in City A last week
   - today's temperature in each city

2. A region has a wet season and a dry season and stays warm all year. Which data pattern fits?
   - rain is near zero in every month
   - temperatures fall below freezing in winter
   - rain is high in some months and near zero in others
   - rain is high in every month

3. This place gets almost no rain all year. Use the temperature graph. Which climate fits?



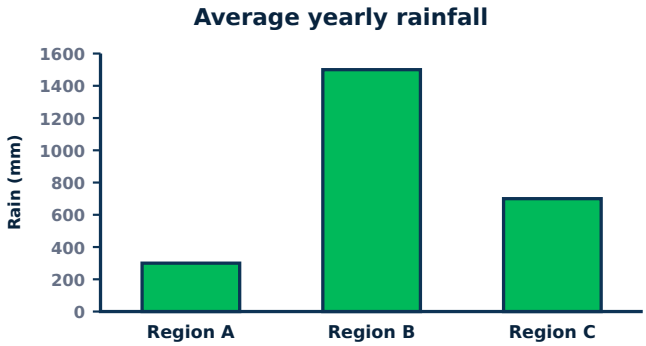
   rainforest climate temperate climate desert climate polar climate

4. A desert can be very hot in the day but close to freezing at night. What does this show?
   - desert temperatures do not change
   - deserts stay cold day and night
   - deserts stay hot day and night
   - desert temperatures can change a lot between day and night

5. Why do rainforests near the equator stay warm and wet all year?
   - cold ocean currents flow nearby
   - they are near the North Pole
   - they get strong sunlight and steady rain all year
   - tall mountains shade them

6. A city at sea level averages 75°F in July. A mountain town nearby, much higher up, averages 55°F. What is the most likely cause?
   the mountain town is closer to the equator
   the mountain town's higher elevation
   the city at sea level gets more rain
   the mountain town gets more daylight

7. Use the graph. Which region would most need to save water for crops?



   Region C Region B Region A all three need the same

8. Which question can be answered with climate data, not weather data?
   How hot was it at noon today?
   Will it snow here tomorrow?
   Is it windy right now?
   Is this town usually snowy in January?

9. City X averages 85°F and gets about 250 mm of rain every month. Which climate fits?
   temperate climate
   grassland climate
   tropical rainforest climate
   desert climate

10. Why do farmers in a temperate climate plant crops in spring, not in winter?
   winter soil has the most water
   winter has the most sunlight
   spring has the least rain
   winters are usually too cold for crops to grow

Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Climates Around the World

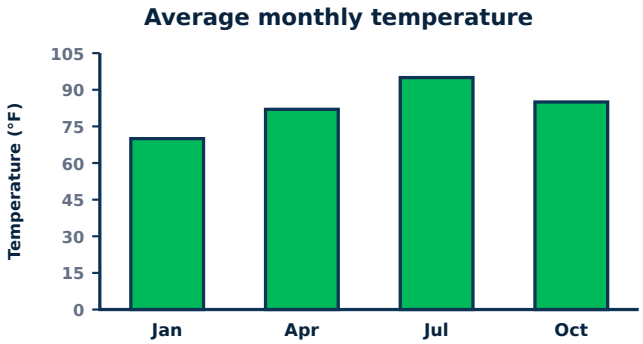
Answer Key - Grade 3 Science Worksheet - Challenge Me

Circle the answer.

1. Two cities are the same distance from the equator. City A is on the coast; City B is far inland. Which data would show which has milder winters?
   - the number of people in each city
   - **average January temperatures for both over many years**
   - the rain in City A last week
   - today's temperature in each city

2. A region has a wet season and a dry season and stays warm all year. Which data pattern fits?
   - rain is near zero in every month
   - temperatures fall below freezing in winter
   - **rain is high in some months and near zero in others**
   - rain is high in every month

3. This place gets almost no rain all year. Use the temperature graph. Which climate fits?



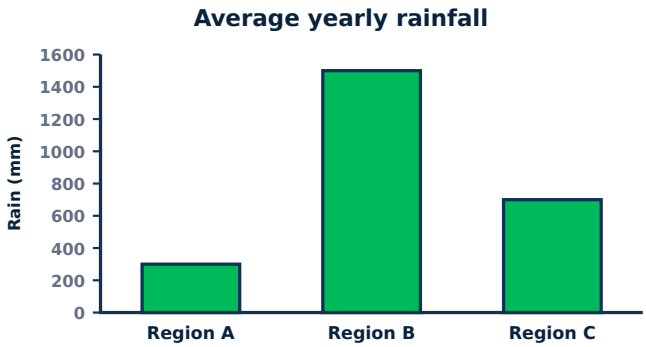
   rainforest climate temperate climate **desert climate** polar climate

4. A desert can be very hot in the day but close to freezing at night. What does this show?
   - desert temperatures do not change
   - deserts stay cold day and night
   - deserts stay hot day and night
   - **desert temperatures can change a lot between day and night**

5. Why do rainforests near the equator stay warm and wet all year?
   - cold ocean currents flow nearby
   - they are near the North Pole
   - **they get strong sunlight and steady rain all year**
   - tall mountains shade them

6. A city at sea level averages 75°F in July. A mountain town nearby, much higher up, averages 55°F. What is the most likely cause?
   - the mountain town is closer to the equator
   - **the mountain town's higher elevation**
   - the city at sea level gets more rain
   - the mountain town gets more daylight

7. Use the graph. Which region would most need to save water for crops?



Region C Region B Region A all three need the same

8. Which question can be answered with climate data, not weather data?
How hot was it at noon today?
Will it snow here tomorrow?
Is it windy right now?
Is this town usually snowy in January?

9. City X averages 85°F and gets about 250 mm of rain every month. Which climate fits?
temperate climate
grassland climate
tropical rainforest climate
desert climate

10. Why do farmers in a temperate climate plant crops in spring, not in winter?
winter soil has the most water
winter has the most sunlight
spring has the least rain
winters are usually too cold for crops to grow