

## ***STUDY GUIDE CHAPTER 6***

1. Know how scientists use seam beam technology to map the ocean floor. How does their data indicate an underwater mountain? How does their data indicate a deep sea trench (valley)?
2. Know how GPS technology is used.
3. Know the 4 rules of topographic (contour) maps. Be able to answer all the questions (including gradient questions) on these worksheets:
  - Red River Contours
  - Contour Maps
  - Isolines
  - Making a Contour Map 1, 2, and 3
  - Topographic Maps
4. Know all about coastal plains, interior plains, and plateaus. Know about the formation of the Atlantic Coastal Plain, the Gulf Coastal Plain, the Great Plains, and the Grand Canyon.
5. Be able to draw and describe each of the 4 types of mountains: volcanic, folded, upwarped, and fault-block.
6. Know PROS and CONS for each type of map: topographic, Robinson, Mercator, conic. Review the activity called Comparing Maps.
7. Be able to read a time zone map and determine the time at certain locations. Also, know how to use the International Date Line to see if you gain or lose a day when traveling.
8. Know why we have time zones. Is it because of the Earth's rotation on its axis or because of the Earth's revolution around the sun?
9. Know how to read a world map. Know latitude and longitude. Which lines are horizontal? Which are vertical? Which tell north and south? Which tell east and west? Know where the equator is. Know where the prime meridian is. Be able to calculate distance using a map scale.
10. Be able to label NJ on an unlabeled map of North America!

### **NOTE:**

THERE WILL BE A LOT OF MAP-READING QUESTIONS ON THIS QUIZ. BE SURE TO REVIEW THESE SKILLS WHILE YOU PREPARE AND STUDY. GOOD LUCK, AND ENJOY THIS OPPORTUNITY TO SHOWCASE ALL THE KNOWLEDGE YOU HAVE GAINED IN THIS CLASS!