Monday's Map Quiz:
Map Projections & Thematic Maps

WHAT YOU NEED TO KNOW:

» The **Mercator Projection** is the best map projection to use while traveling because it accurately shows <u>direction</u>.

» The **Lambert Projection** is the best map projection to use while trying to see the North/South Poles because it accurately shows <u>land area near the poles</u>.

» The **Goode's Homolosine Projection** is the best map projection to use while comparing the size of landmasses because it accurately shows <u>land size and shape</u>, while interrupting the oceans.

» The **Robinson Projection** distorts all features of the globe, but only <u>distorts each feature a little bit</u>. Therefore, it turns out to be pretty accurate.

» The four features of the globe that become distorted when creating a map projection are: <u>distance</u>, <u>direction</u>, <u>size</u>, and <u>shape</u>.

» The process of **creating a map using points on the globe** is called <u>projection</u>.

» **Mapmakers** are called <u>cartographers</u>.

» **Thematic Maps** show <u>only one theme</u>. This helps the viewer to get the most information from the map about a specific topic.

» The **map's title and key/legend** tell the viewer the <u>theme</u> of the map.

» Colors, symbols, or dots can be used to show information on a thematic map.

» A **physical map** shows the <u>earth's physical features, landforms, and bodies of water</u>.

» A **political map** shows the <u>man-made boundaries</u> of continents, countries, states, and territories. It can also show capital cities of states, territories, and countries.

» A **climate map** shows the <u>long-term weather patterns</u> of a specific area. **Climographs** show the patterns of <u>precipitation and temperature</u> of a specific place over a specific time.

» A **population density** map shows the <u>number of people per unit</u> (ex. square mile) within a <u>specific area</u> (ex. city, state, country, continent).

» A **vegetation map** shows the <u>types of plants</u> growing in a specific area.