

Name KEY

1. What is a contour line?

It is a line of equal elevation used on a topographic map

2. If a topographic map has contour lines that are close together what type of terrain would it represent?

A steep area in the terrain.

3. What does a circle represent on a topographic map?

A circle would represent a peak.

4. List three examples of the type of information a person can gain from a geologic map?

Answer could include: distribution, nature and age relationships of rock units, structural features, mineral deposits and fossil localities

5. Explain each of the following coordinate systems

Latitude – Longitude

Latitude lines traverse the earth in an east – west direction.

Longitude traverses the earth from north to south. Location is given with reference to the longitude and latitude in degrees, minutes, and seconds

UTM

UTM stands for Universal Transverse Mercator. This system uses a rectangular grid and the unit of measure is the meter.

Metes and Bounds

This system is used in surveying land that gives a location with reference to specific base lines and meridians within a 36-mile block of land called a township.

6. What basic information should be on every geographic map? List at least three items.

Every map should have the title, author and date. It should also have a scale and reference system

7. What is the difference between a fractional scale and a graphic scale?

Fractional

Fractional scale shows the relationship using representative fractions. Ex. 1in (on the map) represents 1 mile (in reality)

Graphic

Consists of a bar scale with endpoints labeled with real world distances.