

Name _____

PRELAB EXERCISE on GEOLOGIC MAPS

1. On a geologic map, the contact between tilted sedimentary formations is parallel to the strike of the bedding. (true or false).

2. Circle the map symbol that indicates an orientation of N50W75NE



3. The geologic map of an area shows a horseshoe-shaped outcrop pattern with rocks that are 200 my old in the center of the horseshoe and rocks that are 450 my old on the outside. This pattern suggests the presence of a

- a. horizontal anticline
- b. horizontal syncline
- c. plunging anticline
- d. plunging syncline

4. How does a geologic map differ from a topographic map?

5. What is meant by the term "outcrop pattern"?

6. Draw the symbol for a plunging anticline:

7. What is a "contact"? _____

What are the four types of contacts? _____
