

**MIDTERM I, MTN GEOGRAPHY**  
**FEBRUARY 4, 1999**

**NAME** \_\_\_\_\_  
**SS#** \_\_\_\_\_

There are 150 possible points on this test. The amount of points vary with the questions. There is also an extra point question. I suggest that you scan the entire test before answering any questions. Good luck!

1 List the three criteria that define mountains.

- 1) \_\_\_\_\_ 2.5 pts.
- 2) \_\_\_\_\_ 2.5 pts.
- 3) \_\_\_\_\_ 2.5 pts.

2 List the three components of alpine environments given in class.

- 1) \_\_\_\_\_ 2.5 pts.
- 2) \_\_\_\_\_ 2.5 pts.
- 3) \_\_\_\_\_ 2.5 pts.

3 The Himalayas are formed by the collision of the \_\_\_\_\_ plate (2.5 pts) and the \_\_\_\_\_ plate (2.5 pts).

4 The Andes are formed by the collision of the \_\_\_\_\_ plate (2.5 pts) and the \_\_\_\_\_ plate (2.5 pts).

5 The Cascades are formed by the collision of the \_\_\_\_\_ plate (2.5 pts) and the \_\_\_\_\_ plate (2.5 pts).

6 Erosion of the Appalachian Mountains and resulting sediment deposition on the continental rise has caused the formation of geosynclinal deposits on the \_\_\_\_\_ plate (2.5 pts).

7 The \_\_\_\_\_ (2.5 pts) is/are a good example of a tilted, fault-block mountain range.

8 The \_\_\_\_\_ (2.5 pts) is/are a good example of a folded mountain range.

9 Bill Gould mentioned that the \_\_\_\_\_ (2.5 pts) still harvest caribou in the North West territories of Canada.

10 Continental crust and oceanic crustal material differ in several important ways. Fillin the following table with charateristic values for oceanic and continental crust.

Oceanic  
Crust

Continental  
Crust

Density	_____ 2 pt.	_____ 2 pt.
Mineralogy	_____ 2 pt.	_____ 2 pt.
Rock Type	_____ 2 pt.	_____ 2 pt.

- 11 The "*ICEMAN*" was found in these mountains \_\_\_\_\_ (2.0 pt), in the country of \_\_\_\_\_ (2.0 pt), about \_\_\_\_\_ years (to nearest thousand, 2.0 pt) before today.
- 12 Precambrian rocks are older than \_\_\_\_\_ million years (2.0 pts).
- 13 Evaluate this statement: *Any definition of a mountain must include subjective criteria.* 15 points.

- 14 Compare and contrast Far Eastern attitudes towards mountains with "western" attitudes during biblical and medieval times. 25 points.

- 15 Explain why Native Americans in the Colorado Front Range lived in the Hogback region during winter and high-elevation areas in late summer, and discuss some of the evidence used to determine this migration pattern. Include in your answer these keywords: game-drive, migration route, blind, elk, North Park, chinook winds, and water availability. 25 points.

- 16 Draw a generic mountain, illustrate, and **LABEL!** the following terms (points for artistic merit!): asthenosphere, oceanic crust, continental crust, sedimentary rocks, granitic rocks, metamorphic rocks, volcano, trench, upwelling magma. 25 points.

**EXTRA CREDIT.** 10 points.

Answer **ONE** of the following questions.

- Name the highest mountain and the elevation (note meters or feet) of that mountain on these continents: North America, Asia, South America, Europe, Australia.
- Based on your knowledge of snow metamorphism, explain the how and why nordic skiers use certain waxes to go uphill, yet don't stick going downhill.