

**CE 20500 Engineering Geology**  
**Pop Quiz 2**  
**January 26, 2012**

NAME: \_\_\_\_\_ A- Student \_\_\_\_\_

1- What is the angle of **inclination** of the Earth's magnetic field at the equator?

- a) 90 degrees
- b) 45 degrees
- c) 30 degrees
- d) 15 degrees
- e) 0 degrees

2- The outer core region of the Earth is?

- a) liquid
- b) made up of primarily Fe and Ni
- c) a source of heat
- d) all of the above
- e) none of the above

3- The formation of "pillow basalts" early in Earth's history indicates:

- a) the presence of an oceanic environment
- b) a high degree of volcanic activity
- c) the development of an oxygen-rich atmosphere
- d) the presence of sleepy marine creatures
- e) none of the above

4- Relative to the direction of wave propagation, particle motion associated with ***P-waves*** is?

- a) oblique
- b) tangential
- c) parallel
- d) perpendicular
- e) none of the above

5- The boundary that separates the crust and upper mantle and is characterized by an increase in seismic velocity is referred to as:

- a) SOHO
- b) COHO
- c) POPO
- d) MOHO
- e) LOCO