

MALAYSIAN EARTH SCIENCE OLYMPIAD
SAMPLE QUESTIONS

GEOPHYSICS

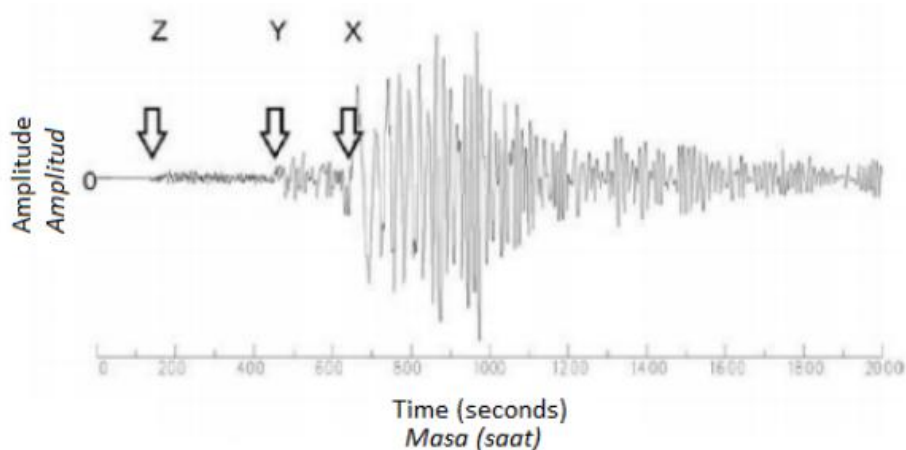
1. _____ are waves of energy caused by the sudden breaking of rock within the earth.
 - A. Surface waves
 - B. Rock waves
 - C. Seismic waves
 - D. Gravitational waves

2. The movement of glaciers is basically caused by
 - A. Climate
 - B. Earthquake
 - C. Earth folds
 - D. Gravity

3. Which of the following will have the lowest value at the center of the earth?
 - A. Pressure
 - B. Temperature
 - C. Density
 - D. Gravity

4. What is the epicenter of an earthquake?
 - A. A point of origin of the earthquake inside the earth
 - B. A point on the fault on which the earthquake occurs
 - C. A point where the origin of the earthquake is recorded
 - D. A point on the surface of the earth

5. Which is the shear wave in the figure shown below?



- A. X only
- B. Z only
- C. X & Y
- D. Y & Z

MALYSIAN EARTH SCIENCE OLYMPIAD
SAMPLE QUESTIONS

6. _____ waves cannot travel through fluids.

- A. Primary (P)
- B. Secondary (S)
- C. Primary (P) & Secondary (S)
- D. Sound

7. A measure of energy released during an earthquake is measured on a scale known as the _____ scale.



Earthquake in Tohoku, Japan (2011)

Source: www.nature.com

- A. Richter
- B. Mercalli
- C. Beaufort
- D. Mohorovicic

ANSWER:

1. C 2. D 3. D 4. D 5. D 6. B 7. A