

**MALAYSIAN EARTH SCIENCE OLYMPIAD**  
**SAMPLE QUESTIONS**

**METEOROLOGY**

- There are cloud formation and the occurrence of thunderstorm and wind.
- Contains 75% of atmosphere's mass.
- Almost all water vapor and aerosols are present in this layer.

1. The above statements are about one of the earth's atmospheric layers. What is that layer?
  - A. Thermosphere
  - B. Mesosphere
  - C. Stratosphere
  - D. Troposphere
2. Which of the following gases is not a greenhouse gas?
  - A. Ozone
  - B. Nitrogen
  - C. Methane
  - D. Water vapor
3. Which one of these radiations is absorbed by greenhouse gases?
  - A. X-ray
  - B. Visible light
  - C. Infrared
  - D. Ultraviolet
4. Earth is a dynamic planet because



Earth

Source: [www.sciencedaily.com](http://www.sciencedaily.com)

- A. There is water on earth
- B. There is life on earth
- C. There is heat energy inside the earth
- D. The earth rotates and revolves around the sun

**MALAYSIAN EARTH SCIENCE OLYMPIAD**  
**SAMPLE QUESTIONS**

5. The most abundant gas in the atmosphere is
- A. Oxygen
  - B. Hydrogen
  - C. Carbon dioxide
  - D. Nitrogen
6. The temperature is minimum typically
- A. Just after sunset
  - B. Around midnight
  - C. About 2:00 to 3:00 am
  - D. Just before sunrise
7. Radiation fog occurs during a



Radiation fog

Source: [www.birdsoutsidemywindow.org](http://www.birdsoutsidemywindow.org)

- A. Long night with clear sky
- B. Long night with cloudy sky
- C. Long day with clear sky
- D. Long day with cloudy sky

**ANSWER:**

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