

SUN QUIZ

1. The Sun is a...?

- a) Star
- b) Planet
- c) Galaxy

2. True or False? The Sun has a solid surface.

- a) True
- b) False

3. What is the Sun's temperature at the photosphere?

- a) 5,700°K
- b) 57,000°K
- c) 570,000°K

4. What is the average distance between Sun and Earth?

- a) 1.5 million km
- b) 15 million km
- c) 150 million km

5. What is the approximate diameter of the Sun?

- a) 1.4 million km
- b) 12,000 km
- c) 150 million km

6. The Sun gets its energy from..?

- a) Nuclear Reactions
- b) Galactic Wind
- c) Coal and Fossil Fuels

7. The nuclear fusion reactions at the Sun's core converts..?

- a) Helium to Hydrogen
- b) Hydrogen to Helium
- c) Helium to Helium

8. The interior of the Sun from its centre consists of a core, radiation and convection zone. In what order do the following then come?

- a) Photosphere, Chromosphere, Corona
- b) Chromosphere, Photosphere, Corona
- c) Photosphere, Corona, Chromosphere

9. What is thought to cause sunspots?

- a) Magnetic Fields
- b) Satellites
- c) Chocolate

10. How long is a sunspot cycle?

- a) 28 days
- b) 365 days
- c) 11 years

11. The Sun's cycle can be best interpreted using a..?

- a) Bar chart
- b) Pie graph
- c) Butterfly diagram

12. The outside part of a sunspot is called the..?

- a) Umbra
- b) Penumbra

13. The temperature of the Sun's corona is approximately..?

- a) 2 hundred degrees
- b) 2 thousand degrees
- c) 2 million degrees

14. The chromosphere can be briefly observed seen at the start and end of a solar eclipse and looks like a..?

- a) Thin pink band
- b) Thin orange band
- c) Thin blue band

15. True or False? The Sun's sphere does not rotate at the same period

- a) True
- b) False

16. If a sunspot takes 12.5 days to cross the surface how long can we assume the rotation period of the Sun is?

- a) 12.5 days
- b) 25 days
- c) 28 days

17. True or False? The Sun can be observed at many wavelengths

- a) True
- b) False

18. The solar wind is..?

- a) Emissions of oxygen from the Sun
- b) A flow of charged protons and electrons flowing outward from the Sun
- c) Weather in space that astronauts feel

ANSWERS

1. (a)

2. (b)

3. (a)

4. (c)

5. (a)

6. (a)

7. (b)

8. (a)

9. (a)

10. (c)

11. (c)

12. (b)

13. (c)

14. (a)

15. (a)

16. (b)

17. (a)

18. (b)