

## Moon Quiz

1. Approximately, what is the average distance from the Earth to Moon

- a) 38,400 km
- b) 384,000 km
- c) 3,840,000 km

2. Approximately, what is the diameter of the Moon?

- a) 3,500 km
- b) 6,500 km
- c) 12,500 km

3. The Moon has a captured rotation. What is another name for this?

- a) Synchronous
- b) Spherical
- c) Gibbous

4. A Moon day is..?

- a) As long as its orbital period - 27.32 days
- b) From New Moon to New Moon - 29 days
- c) As long as a day on Earth

5. A lunar sea (maria) is..?

- a) Lighter in colour than the surrounding highlands
- b) Darker in colour than the surrounding highlands

6. The border between night and day on the Moon is called the..?

- a) Phase
- b) Terminator
- c) Arnold Schwarzenegger

7. The Moon is a..?

- a) Satellite
- b) Planet
- c) Star

8. How many lunar masses equal Earths?

- a) 6
- b) 18
- c) 81

9. A crater on the Moon towards the south pole featuring prominent rays is..?

- a) Tycho
- b) Copernicus
- c) Kepler

10. What is one reason why the Moon does not have an atmosphere..?

- a) There is no air on the Moon
- b) Low gravity does not allow it to keep one
- c) It does not have seas

11. Why cannot we see the far side of the Moon?

- a) We need to travel to another part of the Earth to see it
- b) The Moon rotates at the same time that it orbits Earth
- c) It is too dark to see

12. The far side of the Moon looks different to the near side because..?

- a) It has less maria
- b) It has more terrae

13. Lunar Seas are thought to have formed by..?

- a) Water
- b) Internal lava flows
- c) Rivers

14. Spring Tides on Earth occur when the Moon is in these phases (choose two)?

- a) Full Moon
- b) New Moon
- c) First Quarter - Half Moon
- d) Third Quarter - Half Moon

15. Neap Tides on Earth occur when the Moon is in these phases (choose two)?

- a) Full Moon
- b) New Moon
- c) First Quarter - Half Moon
- d) Third Quarter - Half Moon

16. Spring Tides on Earth result in (choose two)?

- a) Higher HIGH tides
- b) Lower HIGH tides
- c) Lower LOW tides
- d) Higher LOW tides

17. When the Moon's phase goes from new to full moon it is said to be..?

- a) Waxing
- b) Waning

18. When the Moon's phase goes from full to new moon it is said to be..?

- a) Waxing
- b) Waning

19. The difference for the Moon to orbit Earth with respect to the stars is..?

- a) 27.3 days - A sidereal month
- b) 29.5 days - A synodic month

20. The difference between one full moon to the next is..?

- a) 27.3 days - A sidereal month
- b) 29.5 days - A synodic month

21. Which of these is the best time to observe craters and mountains on the Moon is..?

- a) Full Moon
- b) Half Moon
- c) New Moon

22. From Space which would be brighter?

- a) A Full Moon
- b) A Full Earth

23. What does the Moon look like to us when it is in First Quarter phase?

- a) Quarter Full
- b) Half Full
- c) Crescent

24. There are four theories about how the moon originated. Which is considered the favoured one amongst scientists?

- a) The Moon formed in the same part of the solar system near the Earth
- b) The Moon evolved in a different part of the solar system and was captured by Earth's gravity
- c) The Earth spun rapidly during its early evolution and material flung out to form the Moon
- d) A Mars-sized object crashed into the early Earth, jettisoning debris into its orbit which later formed the Moon

## Answers

1. (b)
2. (a)
3. (b)
4. (b)
5. (b)
6. (b)
7. (a)
8. (c)
9. (a)
10. (b)
11. (b)
12. (a) (b)
13. (b)
14. (a) (b)
15. (b)
16. (a) (c)
17. (a)
18. (b)
19. (a)
20. (b)
21. (b)
22. (b)
23. (b)
24. (d)