

MOON QUIZ

1. Approximately, what is the average distance from the Earth to the 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) Shadow Terminator
- c) Arnold Schwarzenegger

7. The Moon is a..?

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

8. How many lunar masses equal Earth's?

- 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 cling to one
- c) It does not have seas

11. The Dark side of the Moon is..?

- a) The part of the moon we cannot see
- b) Always faces away from us
- c) An album by Pink Floyd

12. Why can't 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

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

- a) It has less maria
- b) It has more maria
- c) It is too dark to see

14. True or False: Astronomers believe the maria and highlands are different in age because of the number of craters found there

- a) True
- b) False

15. Lunar Seas are thought to have been formed by

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

16. Which of these is a definition for a rille?

- a) Mascons - mass gravity concentrations
- b) Impact features
- c) Cracks or clefts on the lunar surface

17. Which of these is a definition for a wrinkle ridge?

- a) Lava tunnels that contracted and cooled
- b) The central part of a crater
- c) Rays that spread out in different directions from the craters

18. Which of these was NOT an experiment on the Moon performed by the Apollo mission?

- a) Moonquake detectors
- b) Solar radiation sensors
- c) Mirrors pointed at Earth
- d) Dropping a hammer and feather at the same time
- e) Seeing how long it takes to boil a kettle

19. 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. (c)

12. (b)

13. (a)

14. (a)

15. (b)

16. (c)

17. (a)

18. (e)

19. (d)