

Test

1. The Earth is the "... " planet and one of the most unique planets in the solar system.

- a) first;
- b) third;
- c) second;
- d) fourth.

2. The Earth was formed around ... billion years ago.

- a) 2.5-2.6;
- b) 4.5-4.6;
- c) 3.5-3.6;
- d) 5.5-5.6.

3. ... is the only planet known to sustain life.

- a) The Jupiter;
- b) The Venus;
- c) The Mars;
- d) The Earth.

4. The Earth is the ... of the terrestrial planets in the universe.

- a) fastest;
- b) smallest;
- c) largest;
- d) unique.

5. The Earth has an estimated mass of ... kg.

- a) 5.9736×10^{24} ;
- b) 5.7736×10^{24} ;
- c) 5.9736×10^{23} ;
- d) 5.9726×10^{24} .

6. Earth's ... and diameter differ because its shape is classified as an oblate spheroid or ellipsoid, instead of a true sphere.

- a) height;
- b) width;
- c) length;
- d) circumference.

7. The average distance from the Earth to the Moon is....

- a) 1384,403 km;
- b) 384,403 km;
- c) 384,403 m;
- d) 384,403 dm.

8. The expression figure of the Earth has ... meanings in geodesy.

- a) two;
- b) unusual;
- c) strange;
- d) various.

9. While the sphere is a close approximation of the true figure of the Earth and satisfactory for many

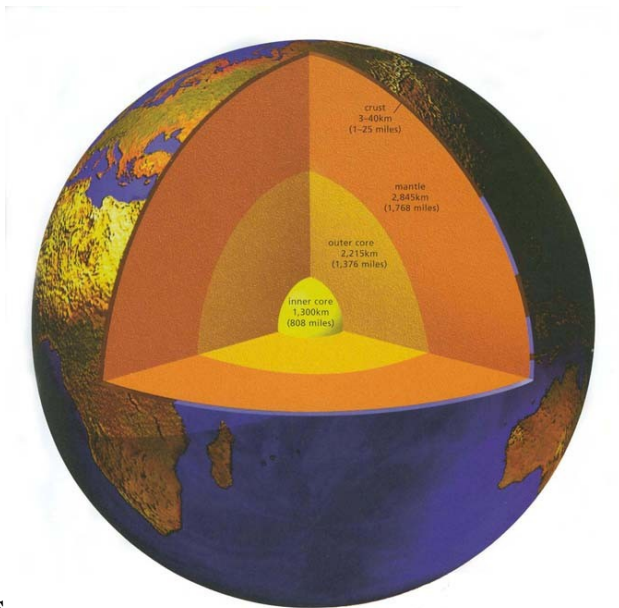
- a) purposes;
- b) knowledge;
- c) facts;
- d) materials.

10. Geodesists have developed a number of ... to represent a closer approximation to the shape of the Earth.

- a) ideas;
- b) examples;
- c) devices;
- d) models.

Answers:

1) b; 2) b; 3) d; 4) c; 5) a; 6) d; 7) b; 8) d; 9) a; 10) d.

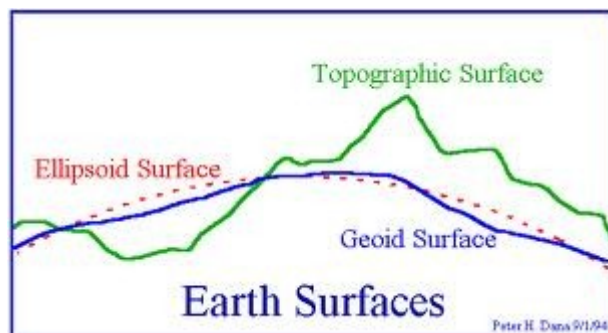


Additional tasks



1. Discuss with your groupmates Earth surfaces using the figure 1.

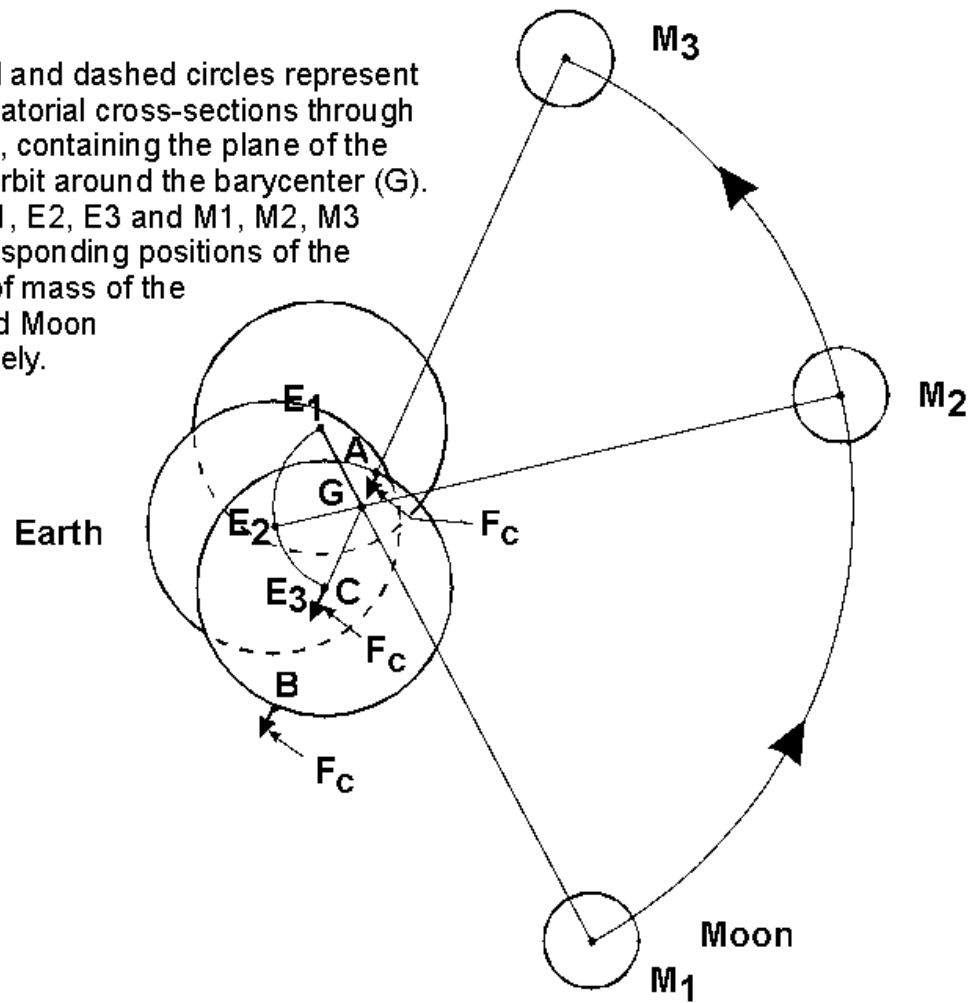
Figure 1.



2. Discuss with your groupmates the Earth and Moon orbits using the figure 2.

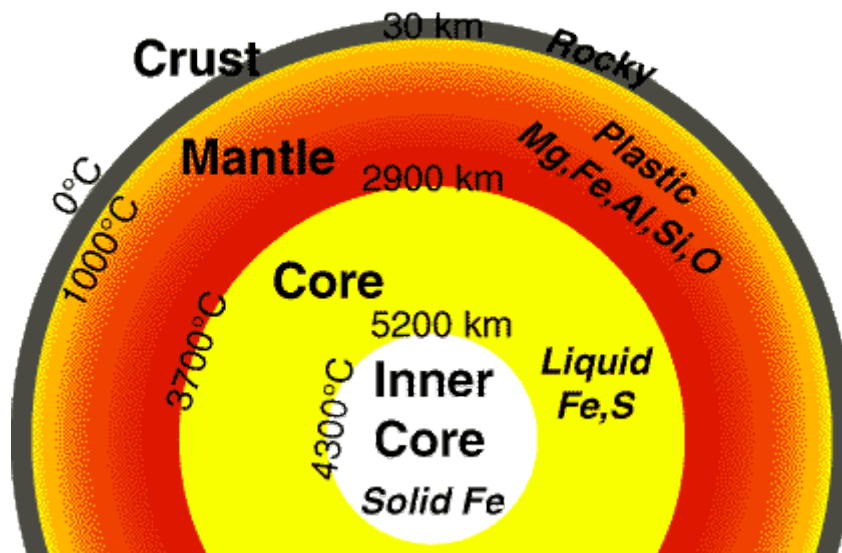
Figure 2.

The solid and dashed circles represent near-equatorial cross-sections through the earth, containing the plane of the Moon's orbit around the barycenter (G). Points E1, E2, E3 and M1, M2, M3 are corresponding positions of the centers of mass of the Earth and Moon respectively.



3. Discuss with your groupmates solar position, its variation and geomagnetic field using the Figure 3.

Figure 3.



4. Fill in spidergram with the words associated with the Earth using the Figure 4.

Figure 4.

