Physics

- 1. Textbook: Page 132: 1-5
- 2. Determine the force of gravitation exerted on Earth by the Sun. The mass of the Sun is 1.99×10^{30} kg, the mass of the Earth is 5.98×10^{24} kg and the distance between the two is 1.496×10^{11} m.

3. Determine the acceleration due to gravity on the surface of the Moon. Mass of the Moon = 7.36×10^{22} kg and the Radius of the Moon = 1.74×10^6 m.

4. What is the weight of a 50 kg person on the surface of the Earth and on the surface of the moon?

5. If an object weighs 100 N on the Earth, what is its mass? If the another object weighs 100 N on the Moon, what is its mass?