

EXCERSICE

Practice. Perform. Succeed

Sub : Science

Grade: IX

Date:

Name:

ID No.....

State whether the following statements are True or False:

1. Gravitational force is independent of the medium. _____
2. Newton's law of gravitational is valid only for heavenly bodies. _____
3. 3.The value of acceleration due to gravity on the surface of two planets will be the same provided that the planets have the same mass/radius ratio. _____
4. The gravitational force forms an action–reaction pair. _____
5. As we move outside the surface of Earth, the value of 'g' decreases in inverse square proportion with distance. _____
6. Gravitation is a weak force unless large masses are involved. _____
7. The weight of an object remains the same everywhere, whereas its mass depends on its location. _____
8. The mass of the earth is less than the moon. _____
9. The mass is equal to the product of weight and acceleration due to gravity. _____
10. The value of 'g' becomes greater at the equator than the poles. _____