Gravitation Te	est Name:
Multiple choice question More than one answers	ns. Mark with a cross (x) the right answer. are right.
1. The gravity force betv	veen 2 objects depends from the
a. Mass of this objects	b. The air quality between this two objects
c. The distance between this objects	d. The temperature of this two objects
2. What will happen with distance.	the gravity force between 2 objects when we double their
a. The force will decrease half times	b. The force will increase double times
c. The force will be the same	d. The force will decrease 4 times
	the gravity force when we double the mass of the one object
a. The force will decrease half times	b. The force will increase double times
c. The force will be the same	d. The force will decrease 4 times
4. What will happen with	the gravity force when we double both masses of the objects
a. The force will decrease half times	b. The force will increase double times
c. The force will be the same	d. The force will increase 4 times
5. What did Henry Caver	ndish discover?
a. The black holes	b. Air is a mixture of different elements
c. The orbit of the planets	d. The magnitude of gravitational force between 2 masses that weight 1 kg in an distance of one metre.

Please answer in few words this questions
6. Why does the earth not fall down?
7. Why does the water of our oceans not swim away from our planet?
8. An object with the mass of 1 kg falls down to earth. How much is the gravity force that acts on this object? (g=9.8 $\mathrm{m/s^2}$)
9. What will happen to you, if the mass of the earth increases?
10. What is a black hole?
11. When G was first measured by Henry Cavendish, his experiment was called the "weighting the earth experiment". Why?
12. Write down the formula for the gravity force between two objects.