Activity 8.13

Non-contact Forces – Comprehension

1. Use your textbook to help you fill in the blanks.

   (a) Forces that can act on objects without direct _____ are called _____ forces.

   (b) _____, _____ and _____ forces are non-contact forces.

   (c) A magnet has _____ force. Magnetic force occurs due to the motion of _____ particles.

   (d) _____ are created when there are unbalanced electrical charges inside an object.

   (e) All objects have an invisible force that _____ on other objects. The force is called _____.

2. How does the mass of an object affect the magnitude of its gravitational force?

3. How does the distance between objects affect the magnitude of the gravitational force between them?

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