



6. How heavy would you say all the air in the **lab** room is? Could you lift it (assuming it could be put in a container that you can get a good grip on)?
- A. Yes, I could lift it because it's about 20 lbs. Similar to a one year old child.
  - B. Maybe not, because it's about 150 lbs. About the same as an adult human
  - C. No, because it is around 1000 lbs. About the same as a quarter horse.
  - D. No, because it's around 5000 lbs. Similar to a Rhinoceros
7. If an object carries a net electrical charge, it will
- A. repel all other objects
  - B. repel all plastic objects
  - C. repel objects with the opposite charge
  - D. repel objects with a like charge
8. If an object carries a net electrical charge, it will attract bits of paper
- A. only if it has a positive charge
  - B. only if it has a negative charge
  - C. if it has either a positive or a negative charge
9. How many types of electrical charge exist?
- A. 1
  - B. 2
  - C. 3
  - D. 4 or more
10. An item with a positive charge
- A. gained protons
  - B. lost electrons
  - C. lost protons
  - D. gained electrons
11. Neodymium magnets are *strongly* attracted
- A. A nail, paperclip and aluminum rod
  - B. A nail and paperclip
  - C. plastic pipe, clear plastic and glass test tube
  - D. A and C
  - E. B and C
12. All magnets
- A. have a net electrical charge
  - B. are attracted to all metals
  - C. both A and B
  - D. neither A or B

