**Midterm Study Guide**

1. Make observations and inferences from the picture below



2. Review Newton’s Laws and be able to identify examples of each

**Solve the following problems**

3. What is the acceleration of a 5000 g object pushed with a force of 10 newtons?

4. How much time does it take for a bird flying at a speed of 60 kilometers per hour to travel a distance of 360,000 meters?

5. If an object has mass of 2,000 grams moving at 9 m/s, determine its K.E.

6. Explain data from a chart

7. Be able to determine net force and direction

8. Explain the following diagram

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9.What factors affect the strength of an electromagnet?

10. Know claim and evidence for the car/elephant CER