

## Lesson 27 – What Is A Force WS Answers

### What is a force? (page 112)

1. Force
2. Contact, action-at-distance
3. Friction, tension, elastic
4. Gravitation, magnetic, static, electricity
5. Newtons
6. Mass, weight
7. Balanced
8. Unbalanced

### Name to force (page 113)

1. Elastic force – contact
2. Gravitation – action-at-a-distance
3. Magnetic – action-at-a-distance
4. Static electricity – action-at-a-distance

### True or False? (page 114)

1. False. A force can set a motionless object in motion
2. True
3. True
4. False. Friction force works to slow down or stop motion due to surfaces rubbing against each other.
5. False. Gravitation pulls objects toward each other.
6. False. An example of static electricity is lightning. OR An example of magnetic force is magnets attracting metal, such as iron.
7. False. The weight of an object measure how strongly gravity pulls on that amount of matter.
8. True
9. True
10. True