

Forces Quiz Buzzards B

Total questions: 20

Worksheet time: 10mins

Instructor name: Mrs. Laura Braun

Name

Class

Date

1. What is the term for a type of friction caused by air pushing against a moving object?
 - a) Water resistance
 - b) Air resistance
 - c) Buoyancy
 - d) Gravity

2. What is the upward force that a liquid applies to objects called?
 - a) Force
 - b) Buoyancy
 - c) Friction
 - d) Gravity

3. What is a push or a pull against an object or thing called?
 - a) Force
 - b) Weight
 - c) Lever
 - d) Mass

4. What is the force that acts between two surfaces or objects that are moving, or trying to move, across each other?
 - a) Gravity
 - b) Buoyancy
 - c) Friction
 - d) Air resistance

5. What is the pulling force exerted by the Earth on anything else with a mass?
 - a) Gravity
 - b) Weight
 - c) Force
 - d) Mass

6. What is the name of the device where one end is placed under a heavy object so that when you press down on the other end, you can move the object?
 - a) Lever
 - b) Mass
 - c) Pulley
 - d) Mechanism

7. What is the measure of how much matter (or 'stuff') is inside an object?
- a) Gravity
 - b) Force
 - c) Mass
 - d) Weight
8. What is a device consisting of a wheel over which a rope or chain is pulled in order to lift heavy objects?
- a) Mechanism
 - b) Mass
 - c) Lever
 - d) Pulley
9. What is a type of friction caused by water pushing against a moving object?
- a) Water resistance
 - b) Air resistance
 - c) Gravity
 - d) Buoyancy
10. What is the measure of the force of gravity on an object?
- a) Force
 - b) Mass
 - c) Friction
 - d) Weight
11. What can forces make an object do?
- a) Change shape
 - b) Start to move
 - c) All of the above
 - d) Change direction
12. How is mass measured?
- a) In meters (M)
 - b) In Newtons (N)
 - c) In liters (L)
 - d) In kilograms (KG)
13. What can make it hard for an object to move?
- a) Air resistance
 - b) Water resistance
 - c) Neither A nor B
 - d) Both A and B
14. Why do unsupported objects fall to the Earth?
- a) Because of gravity
 - b) Because of buoyancy
 - c) Because of water resistance
 - d) Because of air resistance

15. Why does the moon have a smaller gravitational pull than the Earth?
- a) Because the moon is closer to the sun b) Because the moon is farther from the Earth
- c) Because the moon has a smaller mass than the Earth d) Because the moon has more air resistance
16. Who described gravity as a pulling force that keeps people on the ground?
- a) Nikola Tesla b) Galileo Galilei
- c) Albert Einstein d) Isaac Newton
17. What inspired Isaac Newton to wonder why objects fall down rather than up or across?
- a) Seeing an apple fall from a tree b) Studying the stars
- c) Observing the tides d) Watching the moon in orbit
18. According to Newton's first law of motion, what will happen to an object if no force acts on it?
- a) It will change direction b) It will speed up
- c) It will slow down d) It will keep moving in the same direction
19. What does Newton's third law of motion state?
- a) Energy cannot be created or destroyed b) For every action, there is an equal and opposite reaction
- c) An object in motion stays in motion d) Force equals mass times acceleration
20. What are water resistance and air resistance forms of?
- a) Friction b) Gravity
- c) Electricity d) Magnetism