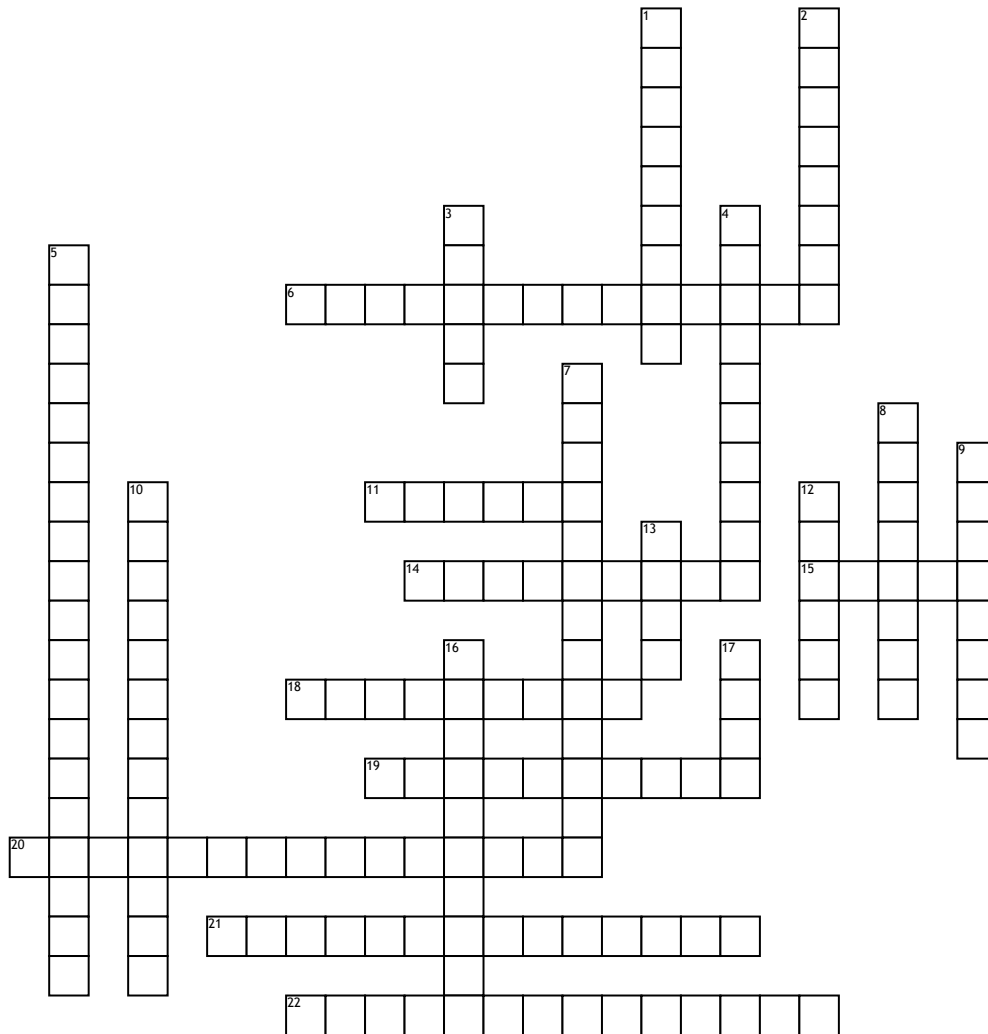


Name: _____

Date: _____

forces and energy



Across

6. a device which is inefficient produces this type of energy
 11. energy is measured in these units
 14. spreading out and transfer of energy stores into less useful forms
 15. power is measured in these units
 18. a device which wasted little energy is called this
 19. when a kettle boils this kind of energy is transferred
 20. What type of energy source is the sun?
 21. A hot cup of tea has more of this than a cold cup of tea

22. found in magnets and electromagnets

Down

1. mechanical devices can be made more efficient by adding this liquid
 2. acceleration is a change of _____ per second
 3. velocity is _____ in a given direction
 4. one way of calculating efficiency is as a decimal. Name the other.
 5. Stored in raised objects
 7. energy stored in stretched or squashed materials

8. _____ occurs when an object moves through air or water or when solid objects slide

9. terminal velocity = _____ speed

10. the mass and speed of objects determine the amount of this energy
 12. weight is a force and measured in this unit

13. Resultant force = _____ + acceleration

16. a resultant force on an object forces it to do this

17. This is a type of a bio fuel

Word Bank

internal energy	dissipate	Magnetic energy	renewable energy	Joules
friction	percentage	speed	elastic energy	watts
velocity	constant	wasteful energy	gravitational energy	accelerate
Kinetic energy	lubricant	mass	efficient	electrical
coal	newton			