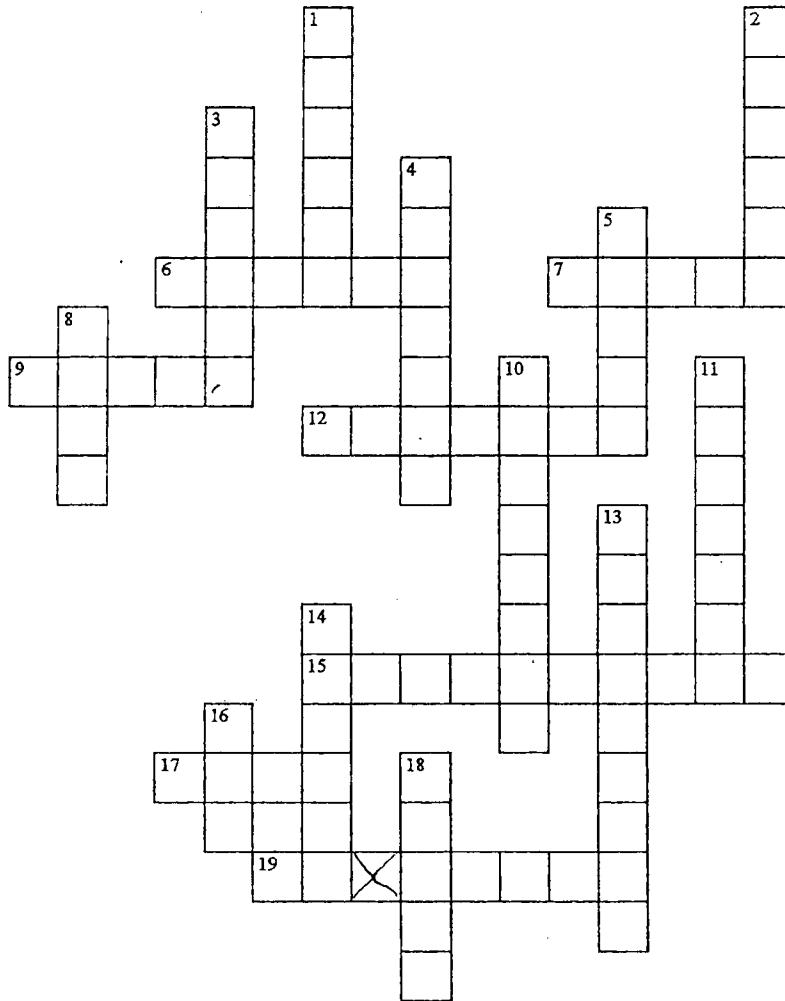


Inertia

spelling issue

Energy A



ACROSS

- 6 The ability to do work or produce heat
- 7 Rate at which work is done or energy is transformed
- 9 SI unit of work and all other forms of energy
- 12 Device for increasing or decreasing a force (or changing its direction)
- 15 Useful energy output as it compares to total energy output
- 17 SI unit of power
- 19 Resistance of an object to change its state of motion

DOWN

- 1 Information with both magnitude and direction
- 2 A piece of information with no given direction
- 3 Work is the _____ in kinetic energy
- 4 The study of motion and the world around us
- 5 Push or pull
- 8 Force times distance
- 10 Work is a force applied of a certain _____
- 11 Having to do with motion
- 13 Stored energy of position (Contrast: Kinetic)
- 14 Kilogram*Meter per Second²
- 16 I am a huge _____ of physics
- 18 How fast an object moves

$$v_f = v_o + at$$

$$\Delta y = v_{oy}t + \frac{1}{2}a_y t^2$$

$$\text{Efficiency} = \frac{\text{work output}}{\text{work input}} = \frac{AMA}{IMA}$$

$$W = Fd \cos \theta$$