

## ENERGY

Fill in the following sentences using the words:

kinetic, kilograms, conservation, joules, gravity, gravitational, weight, potential, particles, newtons.

### ACROSS

3. Mass can be measured in \_\_\_\_\_ and does not change from one place to another.
4. Weight is the force due to the pull of \_\_\_\_\_.
5. The unit of weight can be measured in \_\_\_\_\_.
6. \_\_\_\_\_ can be measured by a spring balance.
8. When an object is lifted to a higher place, it is given gravitational \_\_\_\_\_ energy.
9. All moving objects have movement energy called \_\_\_\_\_ energy.

### DOWN

1. Work done (\_\_\_\_\_) = force (newtons) x distance moved (metres).
2. Mass is the amount of \_\_\_\_\_ (matter) in an object
7. The \_\_\_\_\_ pull g of the earth is 10 N/kg
10. The Principle of \_\_\_\_\_ of Energy states that energy can be changed from one form to another, but it cannot be created or destroyed.

