

ENERGY QUESTIONS – SHOW WORKING

1. ACTIVE ENERGY:

- a) You have this kind of energy if you are running:
- b) An alarm clock wakes you up with this kind of energy:
- c) You get this kind of energy from a cooker:
- d) A light bulb gives off lots of this energy:
- e) This energy makes things like hairdryers and lighting work:

2. STORED ENERGY

- a) You find this energy stored in food and batteries:
- b) You find this energy stored in a bungee rope:
- c) You gain this kind of energy at the top of a roller coaster:

3. CONVERSIONS

For each of the following, convert Watts into Kilowatts;

- a) 3000 W = kW
- b) 10000 W = kW
- c) 500 W = kW
- d) 111000 W = kW
- e) 450 W = kW

For each of the following, convert Minutes into Hours;

- f) 60 minutes = hours
- g) 15 minutes = hours
- h) 120 minutes = hours
- i) 90 minutes = hours
- m) 50 minutes = hours

For each of the following, convert Mass into Newtons;

- f) 100g = Newtons
- g) 1Kg = Newtons
- h) 12.45Kg = Newtons