7.1 Work, Energy and Power

1. Fill in the blanks with the correct answers.

Joule (J)	1 metre	Watt (W)	displacement	energy
move	1 watt	force	work	1 newton

a) Work is the product of _____and _____ in the direction of the force.

b) The S.I. unit for work is _____.

c) When force of _____ is used to _____ an object for a distance of _____ in the direction of force, work of 1 joule is done.

d) _____ is the ability to do work.

e) When _____ of 1 joule is done in 1 second, power of _____ has been used.

f) The S.I. unit for power is _____.

2. Choose the correct answer.

a) The amount of work done is _____ the amount of energy used.

b) Power is the rate of _____.

c) The greater the work done , the _____ the power needed.

d) The two factors that affect the amount of work done are _____ and _____.

3. Diagram below shows a few activities. State whether the work is done or work not done.

a)	b)	c)	d)