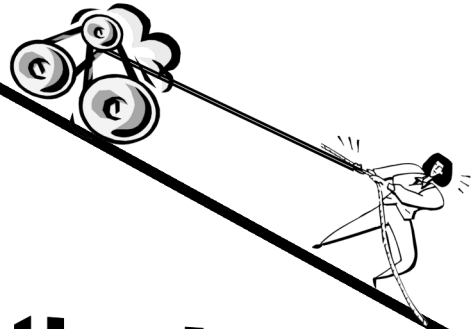


Make a list of the types of mechanisms you will find in the rooms listed below:



Mechanisms in the Home

Bedroom:

1: _____

2: _____

3: _____

4: _____

5: _____

Bathroom:

1: _____

2: _____

3: _____

4: _____

5: _____

Lounge:

1: _____

2: _____

3: _____

4: _____

5: _____

Kitchen:

1: _____

2: _____

3: _____

4: _____

5: _____

Keywords: Linear, Oscillating, Rotary and Reciprocating

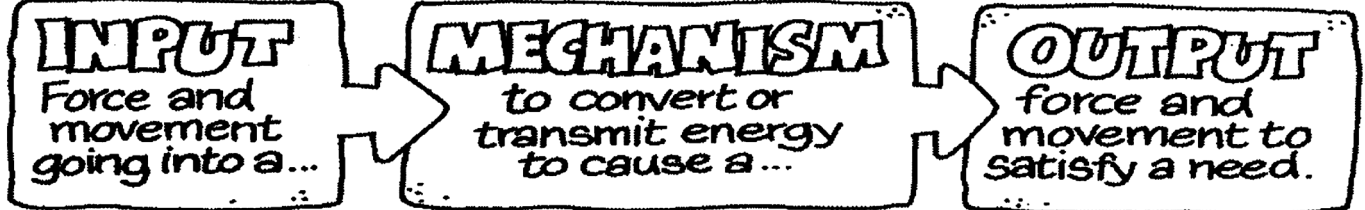
Mechanical Movement

L5

Grade :

Machines, Mechanisms and movement.

A **machine** converts (changes) or transmits (passes on) energy. Machines are made up from a number of working parts called **mechanisms**. A mechanism changes an **input** force and movement into a changed **output** force or movement.



Can you identify the input and output motion for the following 'machines'? The first one is done for you. You may need to refer back to the 'forms of motion' to help you.

Hand drill

Input motion: Rotary motion to handle

Output motion: Rotary motion of chuck and twist drill. Direction and speed of rotation changed.

1. Glue stick

Input motion:

Output motion:

2. Car windscreen wipers

Input motion:

Output motion:

3. Spiral screwdriver

Input motion:

Output motion:

Extension: The last two are not quite as obvious.

4. Internal combustion (car) engine

Input motion:

Output motion:

5. Electric sewing

Input motion:

Output motion: