

SIMPLE MACHINES

Day: _____

Date: _____

1. Figure 1 below shows two gear systems.

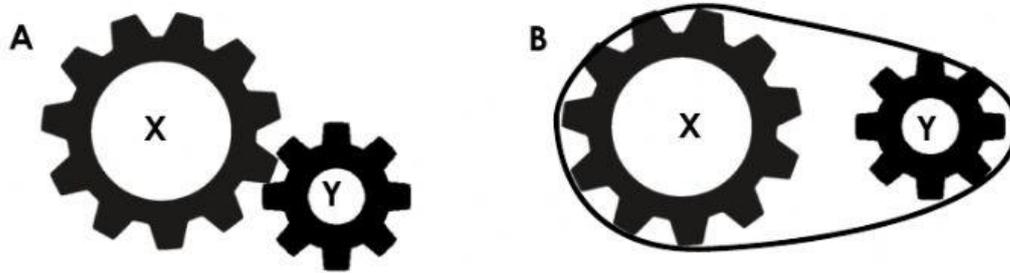


Figure 1

(a) Compare the directions of movement of **X** in these two systems.

System A	
System B	

(b) Study the gear system A in Figure 1. Then complete the following table.

Comparison of:	X	Y
Turning speed		
Turning direction		

(c) Study the following diagram in Figure 2 carefully.

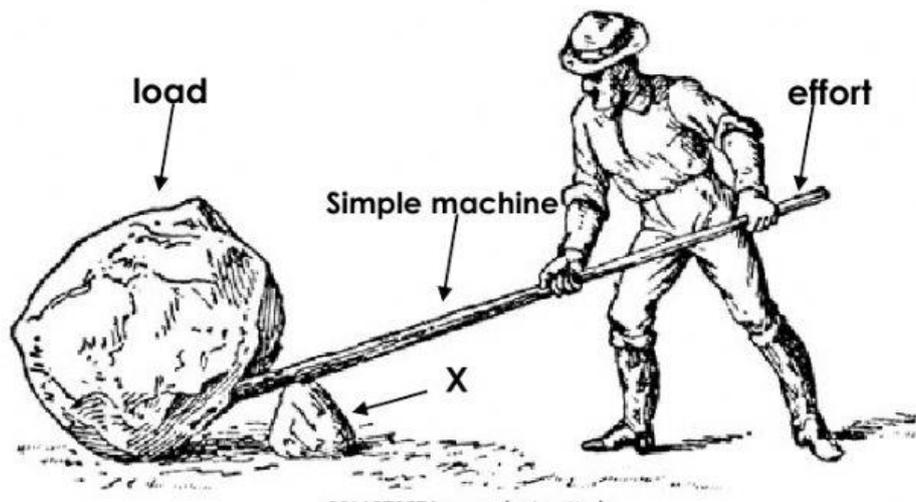


Figure 2

(i) Write down one advantage of using this simple machine to move the load.

(ii) Name the above simple machine.

(iii) Why is **X** used?

(iv) When **X** is moved closer to the load, a _____ force is required to do work.