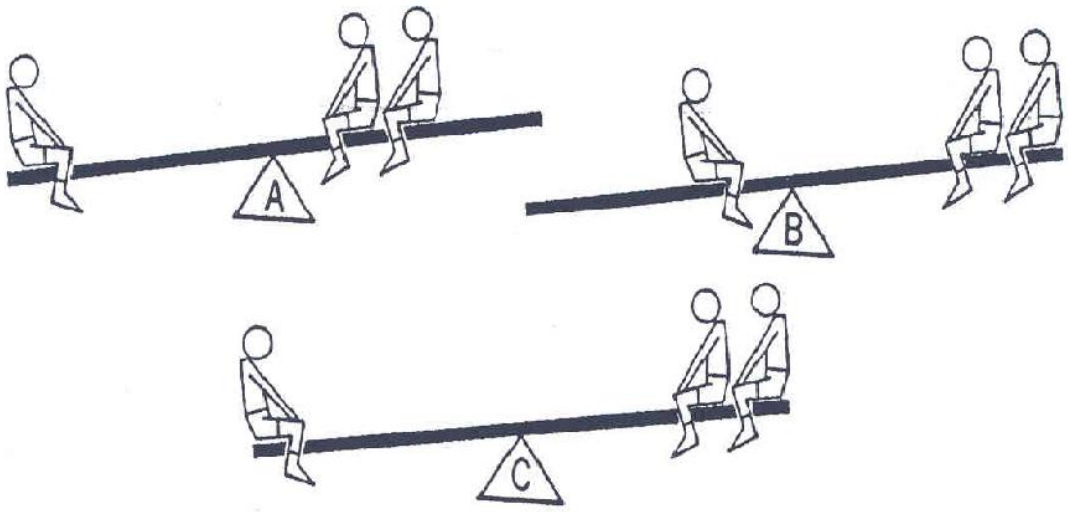
Levers and Machines

Form B

Teacher name _____

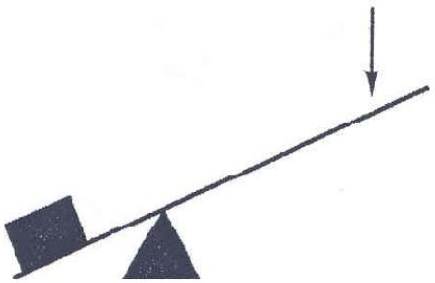
Grade _____ Student ID _____

1. All of the children below are the same weight. What picture shows how they should sit so that the seesaw (teeter totter) will move up and down for them? _____



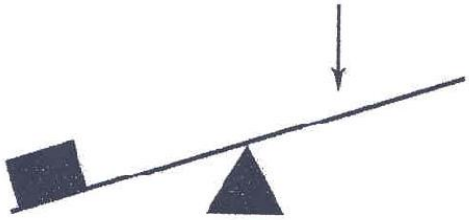
2. Which lever needs the MOST force to lift a 1000 gram (g) object?

A.



C.

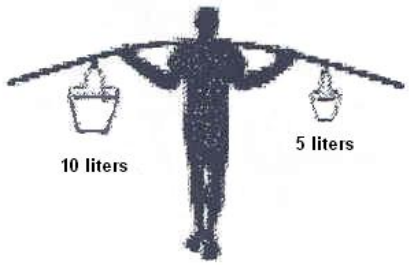
B.



D.

3. Which picture shows the best way for the man to balance a 10 liter bucket of water and a 5 liter bucket of water?

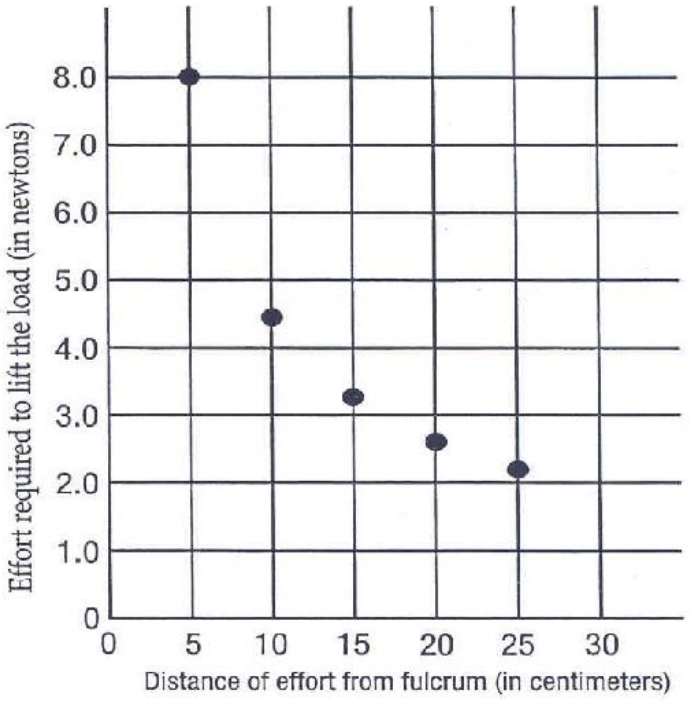
A.



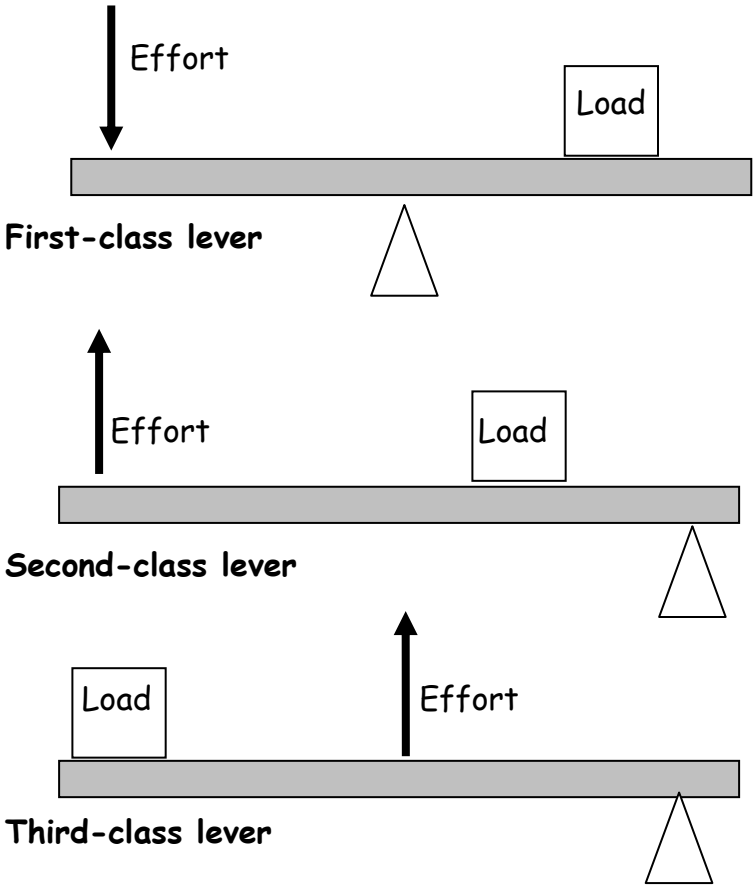
B.

C.

D.



4. What does this graph show about the relationship between the amount of effort needed to lift a load and the distance of the effort from the fulcrum?



5. Give one example of each type of lever.

first class lever = _____

second class lever = _____

third class lever = _____

6. Fill in the two columns of the table for these 3 types of simple machines

Type of Simple Machines	Type of work done or made easier by the simple machine	Example of the simple machine
Levers		
Inclined Plane		
Pulleys and Gears