

**01**

A student uses a measuring jar to measure the amount of water needed to perform an experiment.

- (a) Why is iron not a suitable material for making the measuring jar ?
- (b) Why is clear glass a suitable material for making the measuring jar ? Give two reasons.

Your solution here:

02

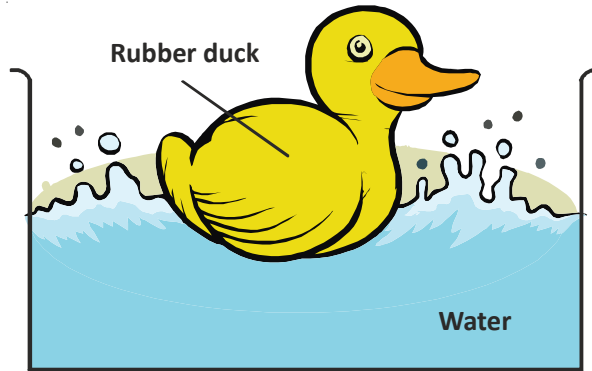
Read the classification table given below.

Group S	Group T
Cotton Wood	Leather Silk

- (a) Write an appropriate heading for each group.  
Group S :  
Group T :
- (b) Based on your answer in (a), which group do wool and tin belong to ?  
(i) Wool belongs to  
(ii) Tin belongs to
- (c) Explain why cotton is a suitable material for making shirts but wood is not.

Your solution here:

**03** A boy placed a rubber duck into a tank of water as shown below.



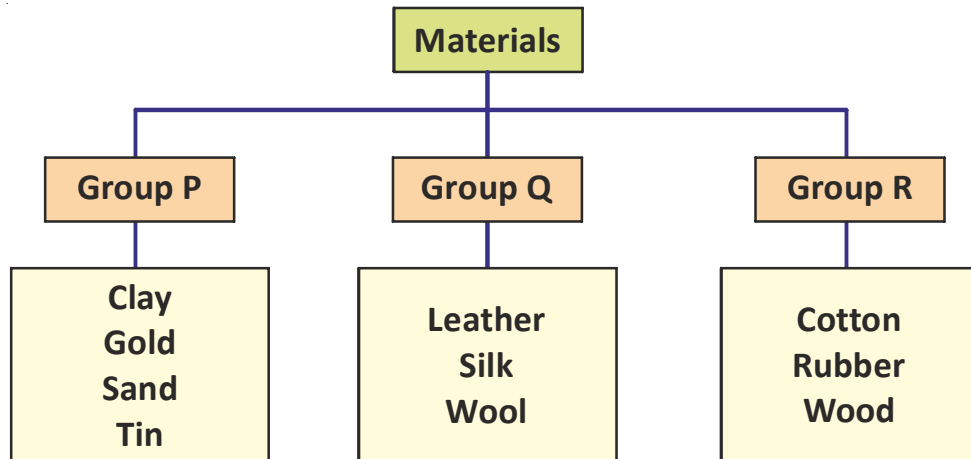
- What did he observe when he placed the rubber duck into the tank of water ?
- To which group does the rubber duck belong to ? Explain your answer.

Group X	Group Y
Iron nail Needle	Wooden cork Oil

Your solution here:

04

Read the classification chart given below.



(a) Write appropriate headings for groups P, Q, and R.

Group P:

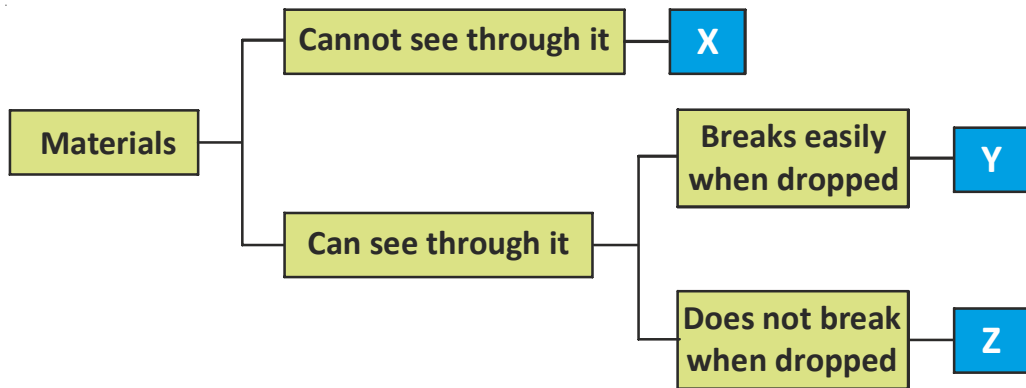
Group Q:

Group R:

(b) Can plastic be placed in the given classification chart ?  
Explain your answer.

Your solution here:

**05** Read the given flow chart.



- (a) How are material Y and material Z similar ?
- (b) Which material is most suitable for making milk bottles ?

Your solution here: