

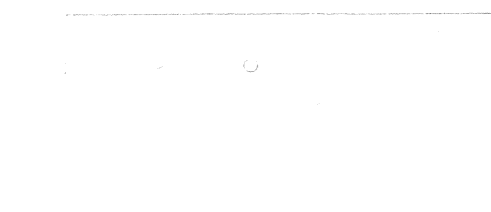
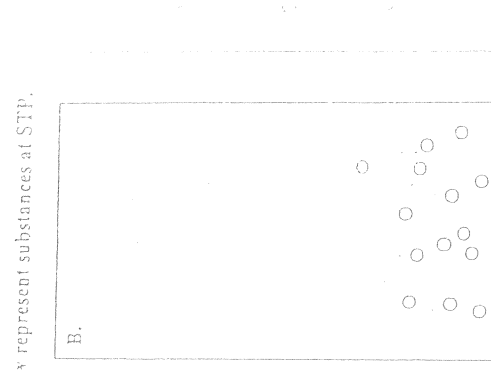
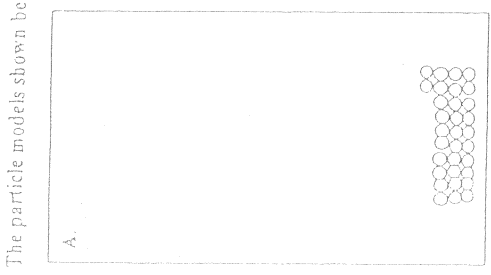
SOLID

LIQUID

GAS

10/1

The particle models shown below represent substances at STP.



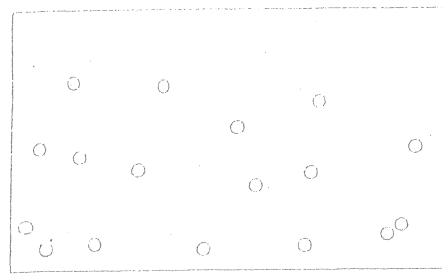
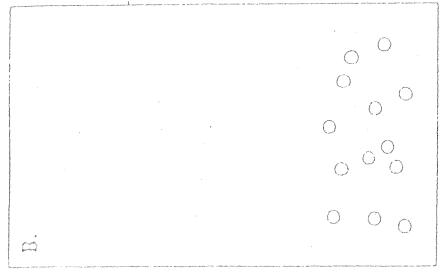
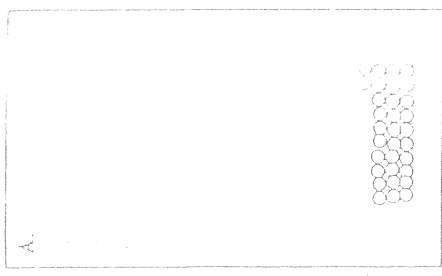
Using your knowledge of solids, liquids, and gases, please answer the following questions. Write your answer in the space provided.

a. Which substance represents a liquid?
Defend your answer. _____

b. Which substance represents a gas?
Defend your answer. _____

c. Which substance represents a solid?
Defend your answer. _____

d. Which substance most likely possesses the highest melting point?
Defend your answer. _____



e. Which substance most likely possesses the lowest melting point?
Defend your answer. _____

f. Which substance possesses the weakest IFA's?
Defend your answer. _____

g. Which substance possesses the strongest IFA's?
Defend your answer. _____

h. Which substance has a definite shape?
Defend your answer. _____

i. Which substance(s) will take the shape of the container?
Defend your answer. _____

j. Which substance(s) possess a definite volume?
Defend your answer. _____