

## ELBOW ROOM

Molecules in a gas resist crowding and get as far apart as possible. Free electrons also resist crowding and get as far apart as possible. When a tank is filled with gas the molecules distribute themselves more or less uniformly throughout the tank's volume, thereby giving each molecule the maximum possible distance from its nearest neighbors. When a copper ball is charged with electricity, the free electrons will distribute themselves more or less uniformly throughout the ball's volume for much the same reason.

- a) True
- b) False

