Read 12.1-12.2

D.S.T → this weekend

"Spring forward"

Group 6 Clickers ⇒ D2L

Exam 2 waiting for Bonus points before downloading to D2L

Interactive Question

When a glass rod rubbed with silk acquires a positive charge, the silk acquires

A) a positive charge

B) a negative charge

C) no charge

D) either a positive or a negative charge

E) it is impossible to tell which sign of charge it acquires

Interactive Question

A rod with a positive charge is brought near a styrofoam ball suspended from an insulating string. The ball is attracted to the rod. What do you know about the ball?

A) It definitely has a positive charge

B) It definitely has a negative charge

C) It definitely doesn't have a positive charge

D) It definitely doesn't have a negative charge

E) None of the above

Interactive Question

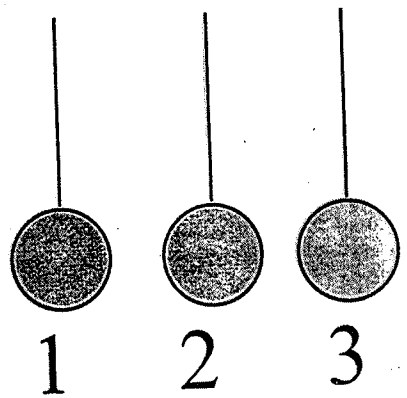
C

Three styrofoam balls are suspended from insulating threads. Several experiments are performed and the following observations made:

I) Ball 2 attracts 1, but has no effect on ball 3.
II) Ball 1 is attracted to a negatively charged rod.

What are the charges on the balls?

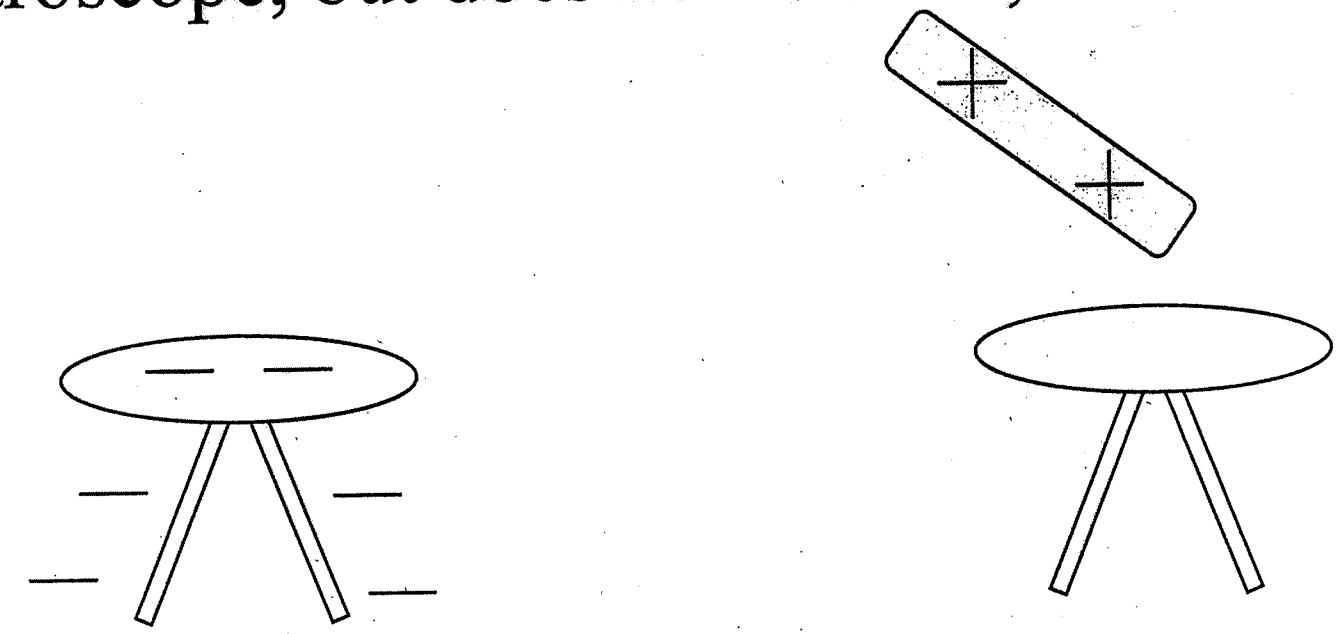
	1	2	3
A)	+	−	0
B)	0	0	0
C)	+	0	0
D)	+	+	−
E)	0	+	−



Interactive Question

(A)

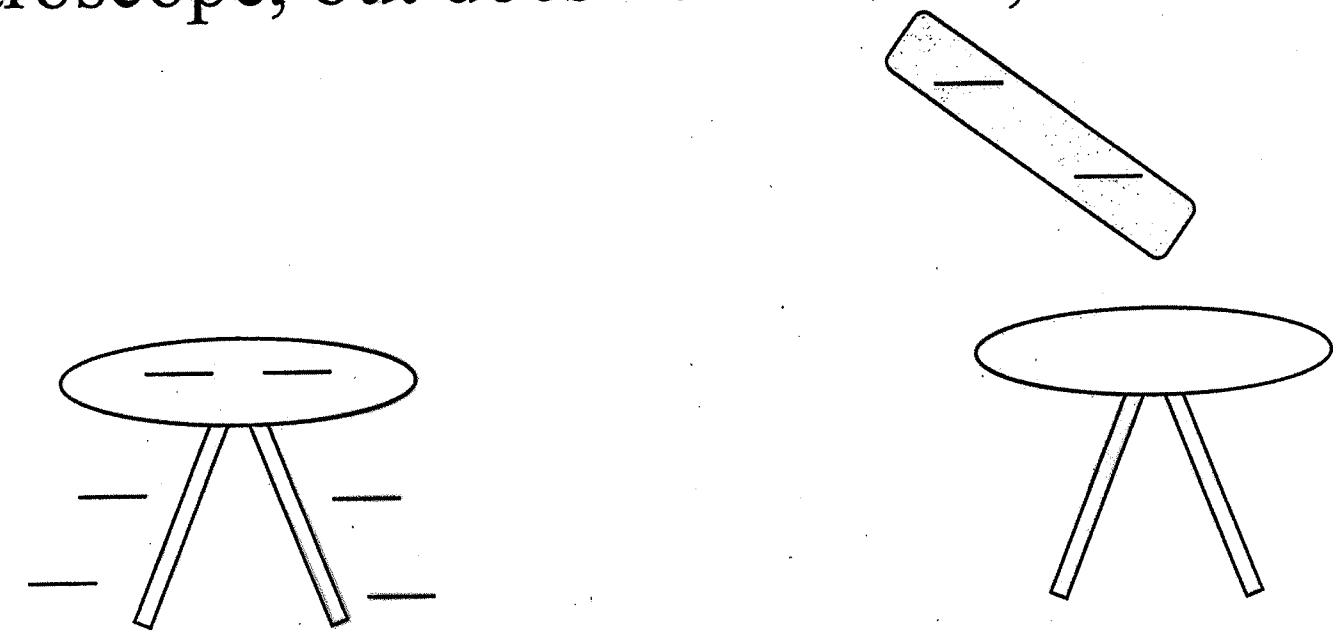
An electroscope is initially given a negative charge. When a rod that is positively charged is brought near to the electroscope, but does not touch it, the leaves will



A) move closer together.
B) move farther apart.
C) remain where they are.

Interactive Question

An electroscope is initially given a negative charge. When a rod that is negatively charged is brought near to the electroscope, but does not touch it, the leaves will



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