

- 38** The energy levels in atoms of materials used to produce laser light always contain levels that are stable, metastable and unstable. Level R in the diagram is the only stable level.

P _____

Q _____

R _____

Which row correctly shows the stability of levels Q and P, and which transition produces laser light?

	Q	P	laser light from level	laser light to level
A	metastable	unstable	metastable	stable
B	metastable	unstable	unstable	metastable
C	unstable	metastable	metastable	stable
D	unstable	metastable	unstable	metastable

