

- 14 Two identical spheres X and Y approach each other with the speeds shown and undergo a head-on elastic collision.



What are the velocities of the spheres after the collision?

	sphere X	sphere Y
A	0 ms^{-1}	2 ms^{-1} \longrightarrow
B	2 ms^{-1} \longrightarrow	4 ms^{-1} \longrightarrow
C	2 ms^{-1} \longleftarrow	4 ms^{-1} \longrightarrow
D	4 ms^{-1} \longleftarrow	2 ms^{-1} \longrightarrow