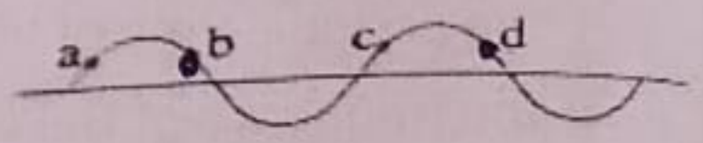
نموذج إجابة للكويز السابق

Quiz 2

Name: Group:

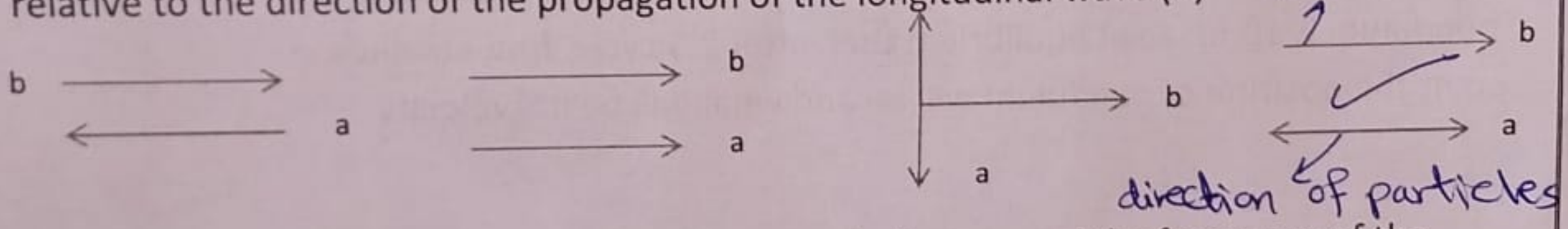
1. In the opposite wave which points the distance between them is called wavelength



a) (a,d) b) (b,c) c) (b,d) d) (a,b)

2. The figure that represents the direction of the vibration of the particles of medium (a) relative to the direction of the propagation of the longitudinal wave (b)

direction of wave

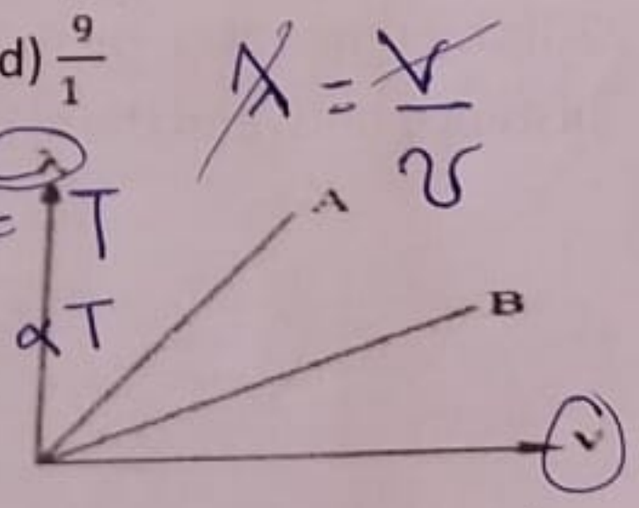


3. If the ratio between the frequency of the sound of a man and the frequency of the sound of a girl is $\frac{3}{4}$, then the ratio between the velocity of the man's sound and the velocity of the girl's sound in air equals

a) $\frac{4}{3}$ b) $\frac{3}{4}$ c) $\frac{1}{1}$ d) $\frac{9}{1}$

$\lambda = \frac{v}{\upsilon}$

4. The opposite graph shows the relation between the wavelength and the speed for two different waves (B and A) which propagate in different media, so



Slope $= \frac{1}{\upsilon} = T$

Slope $\propto \frac{1}{\upsilon} \propto T$

a) $T_A = T_B$ b) $T_A < T_B$ c) $U_A > U_B$ d) $U_A < U_B$

Slope(A) > Slope(B) $\therefore \upsilon_B > \upsilon_A$ $T_B < T_A$

5. If the distance between two successive crests in transverse wave is 2m and the number of waves 1.25, then the total distance covered by these waves is

a) 1.6m b) 0.625m c) 2.5m d) 2m

$\lambda = \frac{L}{N} = \frac{2}{1} = 2m$

$L = \lambda \times N = 2 \times 1.25$

$= 2.5$

Shade the correct answer from (a , b c, d)

1.	a	b	c	d
2.	a	b	c	d
3.	a	b	c	d
4.	a	b	c	d
5.	a	b	c	d