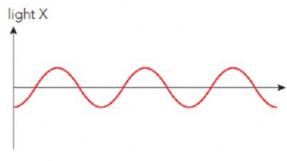
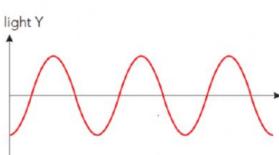
QUIZ 1

Describing Waves

- Copy and complete the following sentences.
 - a A wave transfers _____ from place to place without transferring _____.
 - b In a _____ wave the vibrations are at right angles to the direction in which the wave travels. In a _____ wave the vibrations are back and forth along the direction of the wave.
- 2 The two waves in Figure 14.9 represent two light waves, X and Y.





Fill in the blanks with one of the words on the bracket.

- a. The two waves have _____ wavelengths. {the same / different}
- b. The two waves have _____ amplitudes. {the same / different}
- c. Light X will be _____ than light Y. {brighter / dimmer}

3. Th	e wavelength of the rip	ple on the		
pic	ture is m.		177	20cm
Th	ne bar of a ripple tank v	ribrates 5		
tir	mes per second.			
a.	The frequency of the v	waves is Hz.		
b.	The period of the way	es is s.		
c.	The speed of the wave	e is m/s.		
4. Ligi	ht and sound are both ty	ypes of waves. Fill	in the blanks	with the word on
	bracket on the right.			
	Tight is a		(4	/ li4 di1)
a.	Light is a			
	The vibrations are to the direction of travel of the waves.			
	{parallel to / at right angel to}			
	These waves	travel through a	vacuum.	{can / cannot}
	2002 A V			
b.	Sound is a			
	The vibrations are to the direction of travel of the waves.			
	{parallel to / at right angel to}			
	These waves	travel through a	vacuum.	{can / cannot}
c.	Lily sees a flash of lightning and three seconds later, she hears a thunder			
	This happens because the speed of light is faster than sound. If the speed			
	of sound in air is 330	m/s. The distance b	etween Lily a	and the storm is
	km			

