

Unit No/Name	Subject Name	Teacher Name	Date
Waves, sound and light	Light Properties 3.1, 3.2, & 3.3	Ayman Al Omari	
Student No:		Student Name:	
		Group:	VEDC+

Fill in the space:-

behind, sun, transparent, lamp, opaque, walls, stones, constant, (300,000,000 m/s), energy (use a word twice), transverse wave, longitudinal wave, glass, candle, air, straight, faster.

1. The day Light is produced by the sun, and by objects such as lamps and Burning candles.
2. Light carries energy and travels as a transverse wave.
3. Sound carries energy and travels as a longitudinal wave.
4. Light waves travel in straight lines.
5. We cannot see the objects that behind walls.
6. Light passes through transparent objects, such as glass, water and air.
7. Light does not pass through opaque objects, such as stones and books.
8. The speed of light is 300,000,000 m/s constant when passing through a given medium.
9. The maximum speed of light is $c = \underline{300,000,000}$ (meters per second) in a vacuum.
10. Light travels at a speed which is much faster than the speed of sound.