

BANGLADESH INTERNATIONAL SCHOOL.(ENGLISH) RIYADH

GRADE - 4 SECTION- A&B D

SUBJECT- PHYSICS

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120320

Ch- 14 L-4 ( HOW DO LIGHT AND MATTER INTERACT?)

1. Define:

a. Transparent objects- Materials that allow light rays to pass through them are called transparent objects. Eg- glass, water etc

b. Translucent objects- Materials that allow some of the light rays to pass through them are called translucent objects. Eg- wax paper, lamp shade, frosted glass.

c. Opaque objects- Materials that do not allow the light rays to pass through them are called opaque objects. Eg- wood, aluminium, wall etc

Q/A

2. What happens to a ray of light when it hits on an object?

Ans. The light rays reflect or it can be absorbed by the object.

3. How do we see colors?

Ans. We can see colors because objects absorb some frequencies of light and reflect color which we see.

4. What is refraction of light?

Ans. When light rays travels from one medium to another medium, it changes the speed and direction causing light to bend. This is called refraction.

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