

برعاية معالي وزير التربية والتعليم السيد الاستاذ / محمد عبد اللطيف

وتوجيهات مساعد الوزير لشئون المناهج التعليمية و المشرف
على الادارة المركزية لتطوير المناهج

د/ اكرم حسن

اداءات وتقييمات

الصف الثاني الاعدادى

لجنة الأعداد

ادارة تنمية مادة العلوم وتوجيه محافظة الاسكندرية
المراجعة

خبراء ادارة تنمية مادة العلوم

اشراف علمى

مستشار العلوم

د/ عزيزه رجب خليفة



Subject: Science

Grade: Second Preparatory

Lesson: Wave nature of light



Week test Questions

(Q1) Define ?

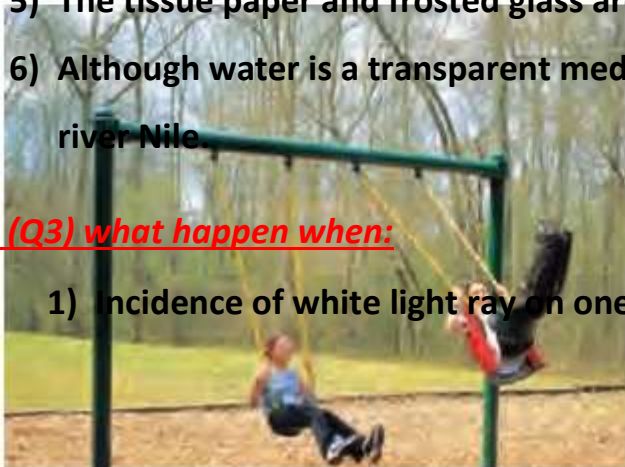
1. Visible Light
2. The speed of light
3. The visible light
4. Analysis of white light
5. Energy of light wave
6. Transparent medium
7. Translucent medium
8. Opaque medium
9. Light intensity
10. The inverse square law of light

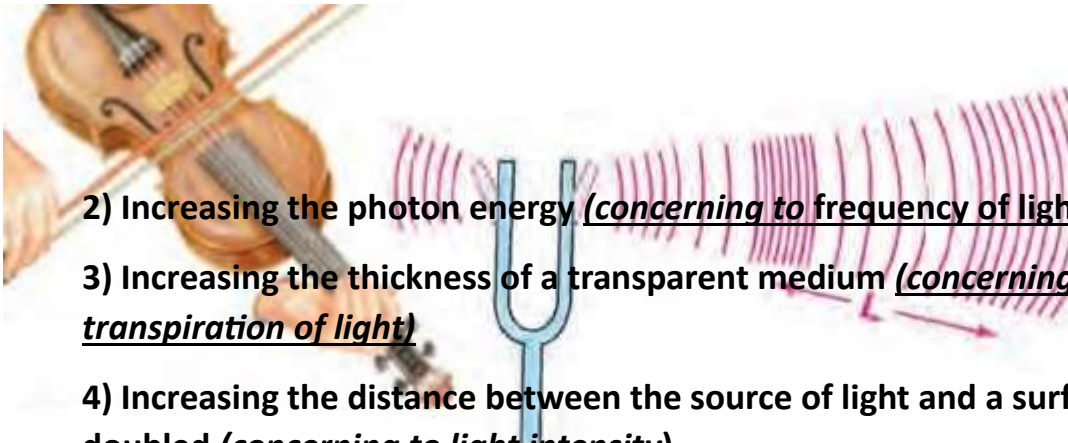
(Q2) Give reason of the following sentences:

- 1) Formation of spectrum colors.
- 2) The energy of red light photon is less than the energy of violet light photon in visible light.
- 3) The photon of red light is the lowest photon energy in the visible light.
- 4) The air is considered a transparent medium.
- 5) The tissue paper and frosted glass are considered translucent medium.
- 6) Although water is a transparent medium, we can't see fish at the bottom of river Nile.

(Q3) what happen when:

- 1) Incidence of white light ray on one face of glass prism.





2) Increasing the photon energy (concerning to frequency of light photon)

3) Increasing the thickness of a transparent medium (concerning to the transpiration of light)

4) Increasing the distance between the source of light and a surface fall on it to doubled (concerning to light intensity)

