



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

- **Subject :Physical science Worksheet-1 Class -7**
- **Date : 11.05.2020**

- **Chapter: Light**

- **Answer the following questions (MCQ) : (1×15)**

• Question 1

Q. a reflection that occurs when parallel rays of light hit a smooth surface

answer choices

regular reflection

diffuse reflection

real image

virtual image

• Question 2

Q. straight lines that represent light waves

answer choices

rays

image

reflection

visible light

• Question 3

Q. a copy of an object formed by reflected or refracted rays of light

answer choices

image

reflection

regular reflection

diffuse reflection

• Question 4

Q. a reflection that occurs when parallel rays of light hit an uneven surface

answer choices

regular reflection

diffuse reflection

real image

virtual image

• Question 5

Q. a flat sheet of glass that has a smooth, silver-colored coating on one side

[answer choices](#)

plane mirror

concave mirror

convex mirror

solid mirror

• Question 6

Q. How does light travel from a source?

[answer choices](#)

Around corners

In circles

Very slowly

In a straight line

• Question 7

Q. Which of the following electromagnetic waves has the longest wavelength?

[answer choices](#)

Infrared Waves

Ultraviolet Rays

Visible Light

Gamma Rays

• Question 8

Q. Which of the following waves in the electromagnetic spectrum has the highest energy?

[answer choices](#)

Radio Waves

Ultraviolet Rays

Gamma Rays

Infrared Waves

• Question 9

Q. As wavelength decreases in the electromagnetic spectrum the frequency _____.

[answer choices](#)

decreases

stays the same

increases

doubles

• Question 10

Q. Which of the following is an example of how we use infrared waves?

[answer choices](#)

imaging bones

MRIs

microwaves

thermal images

• Question 11

Q. Which color of light in the visible light spectrum has the most energy?

[answer choices](#)

Red

Yellow

Violet

Green

• Question 12

Q. Exposure to small doses of ultraviolet rays are beneficial to people because_____.

[answer choices](#)

we then produce vitamin D

get can get skin cancer

it can cure most cancers

we can see the UV rays

• Question 13

Q. Which type of electromagnetic waves is used to image bone?

[answer choices](#)

Gamma Rays

UV Rays

X-Rays

B-Rays

- Question 14

Q. Gamma Rays are very harmful to humans because ____.

[answer choices](#)

They are very high energy.

They can penetrate all our tissue.

they can cause serious illness

all the above options are correct

- Question 15

Q. Waves with the longest wavelength have the ____ frequency.

[answer choices](#)

lowest

higest

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