

Unit 2 Light

Task 1: Basic Vocabulary ①

characteristic	_____	object	_____
scatter ~	~を散乱させる	direction	_____
lens	_____	surface	_____
reflect ~	~を	perpendicular	垂直な
bend	_____	phenomenon	_____
※ bend-bent-bent		occur	_____
density	密度	medium	_____

Task 2: Read "Characteristics of Light" on page 12 and write the meanings of the following words and phrases in Japanese. You learned these things in junior high school!

diffuse reflection	_____	retina	_____
normal	_____	incidence	_____
angle of incidence	_____	angle of reflection	_____
refraction	_____	angle of refraction	_____
total reflection	_____		

Task 3: Basic Vocabulary ②

be composed of ~	~	gradation	_____
varying	_____	perceive A as B	_____
visible	_____	absorb ~	~を

Task 4: Read "Color" on page 13 and write the meanings of the following words and phrases in Japanese. You learned these things in junior high school!

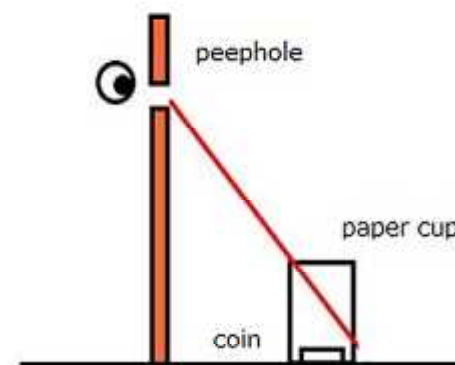
wavelength	_____	spectrum	_____
frequency	_____	the infrared	_____
the ultraviolet	_____		

Task 5: Experiment Describe what occurs in Picture 1 and 2, and explain why it occurs.

A ten-yen coin is placed at the bottom of a paper cup. In Picture 1, you cannot see the coin through the peephole. However, if you _____, the figure of the coin appears as is shown in Picture 2. This occurs because the light is _____
Now I'll tell you why this occurs. Light travels straight, but _____

In the case of Picture 2, when the light gets out of the water, it bends this way and that's why you can see the coin in Picture 2. 指さしながら

Picture 1



Keywords:

bend (bent) / light / refraction / the speed of light / the density of the medium / the angle of incidence / the angle of refraction / a high-density medium / a low-density medium

Picture 2

