

1

(1) A: ア B: エ E: ウ

(2) a

(3) c

(4) 融点

(5) 沸点

(6) 10分後

(7) 急な沸騰を防ぐ

(8) 引火する恐れがあるから

2

(1) 試験管内の液体が逆流するから

(2) b

(3) 蒸留

(4) 沸点の違い

3

(1) 光源

(2) 光の直進

(3) 光の反射

(4) X: 入射角 Y: 反射角

(5) ウ

(6) 光の反射の法則

(7) X: 30° Y: 30°

(8) 虚像

(9) 正立で左右逆

(10) 亂反射

4

(1) 振幅

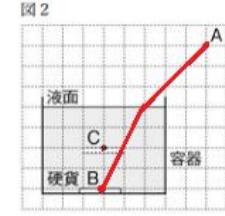
(2) A

(3) X

5

(1) X: 入射角 Y: 屈折角

(2) 直進する (3) A: X>Y B: X<Y

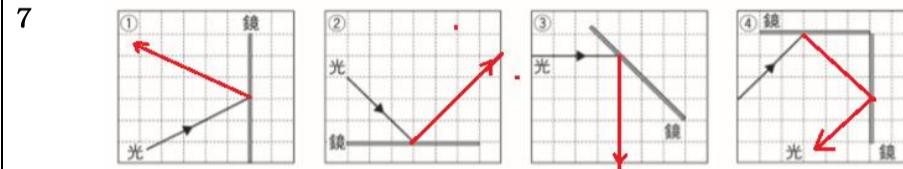


(4) 全反射

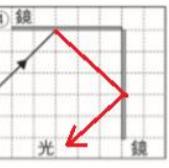
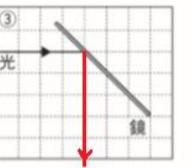
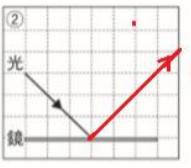
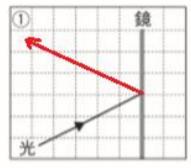
(5)

(6) (1) 45 (2) 30

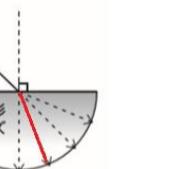
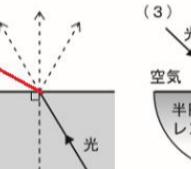
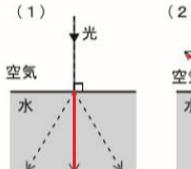
(3) 55



7

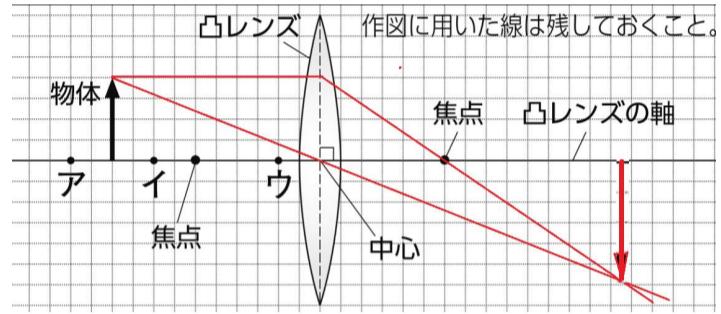


8



9

(1)

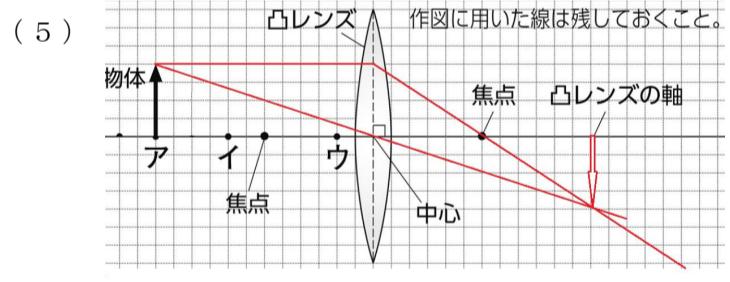


(2) 上下左右逆

(3) 物体をレンズから遠ざける

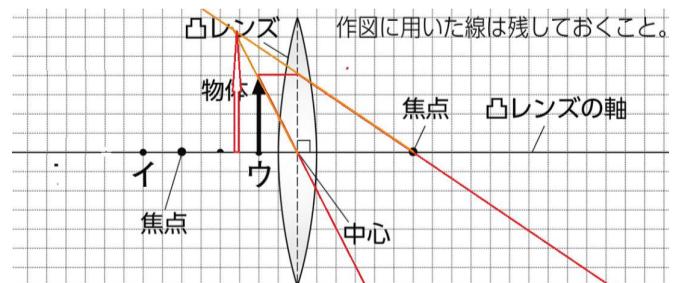
(4) 1:1

(6) できない



(6) できない

(7) ①



② 虚像

(1) 0.25 秒後

(2) 170m

(3) 1 秒後