

Lesson 1 - Light waves

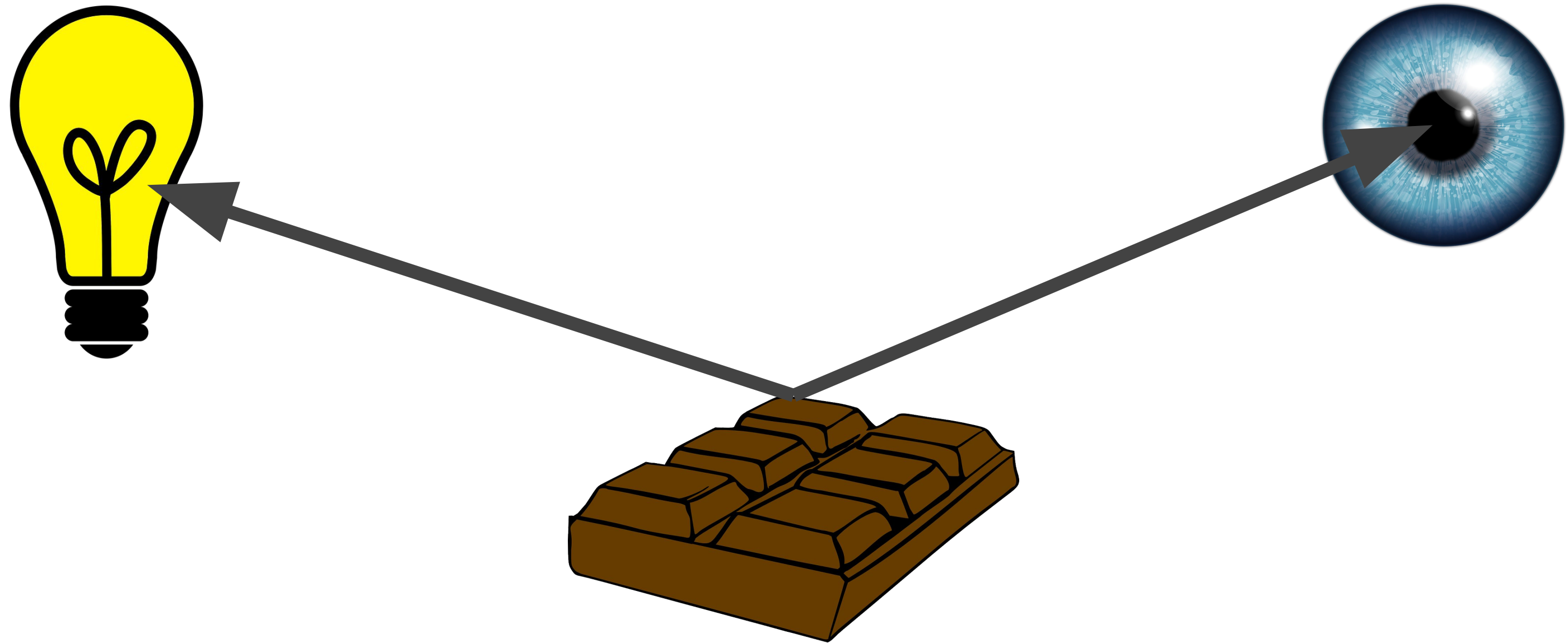
Science - Physics - Key Stage 3

Light and Space

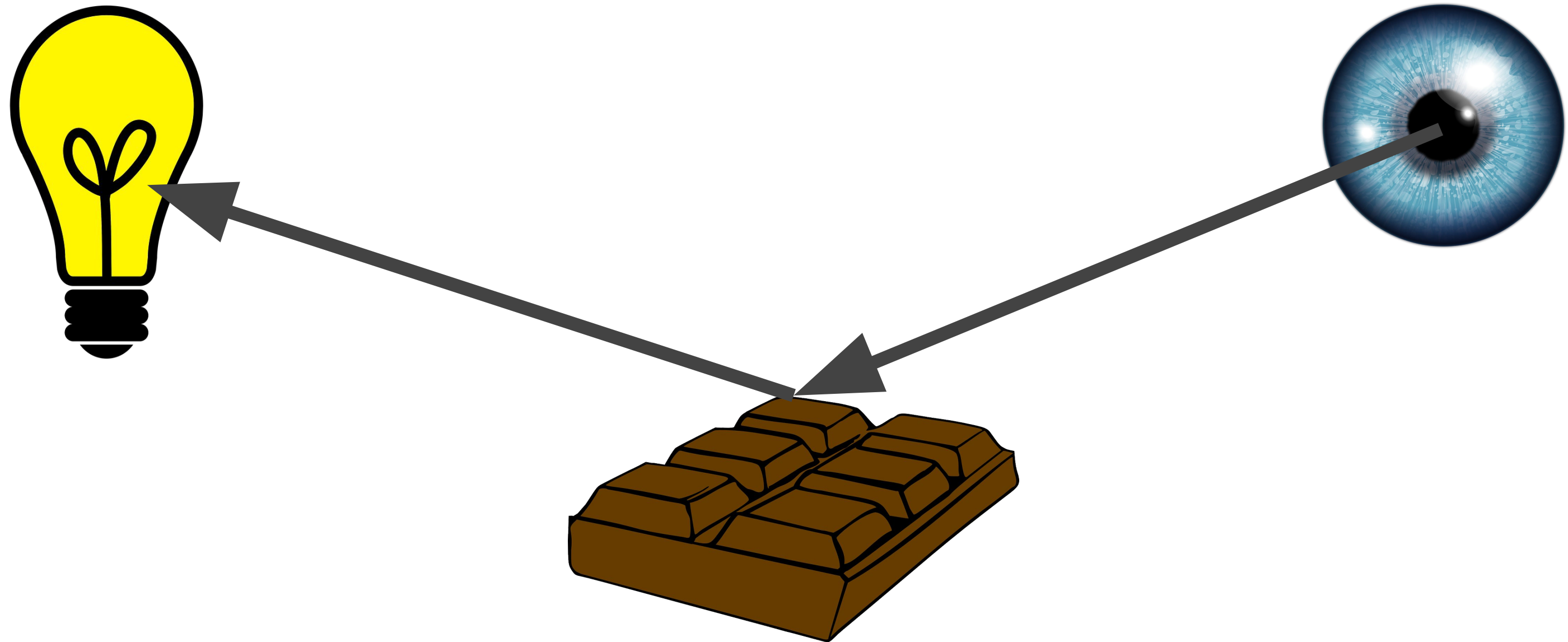
Miss Wickham



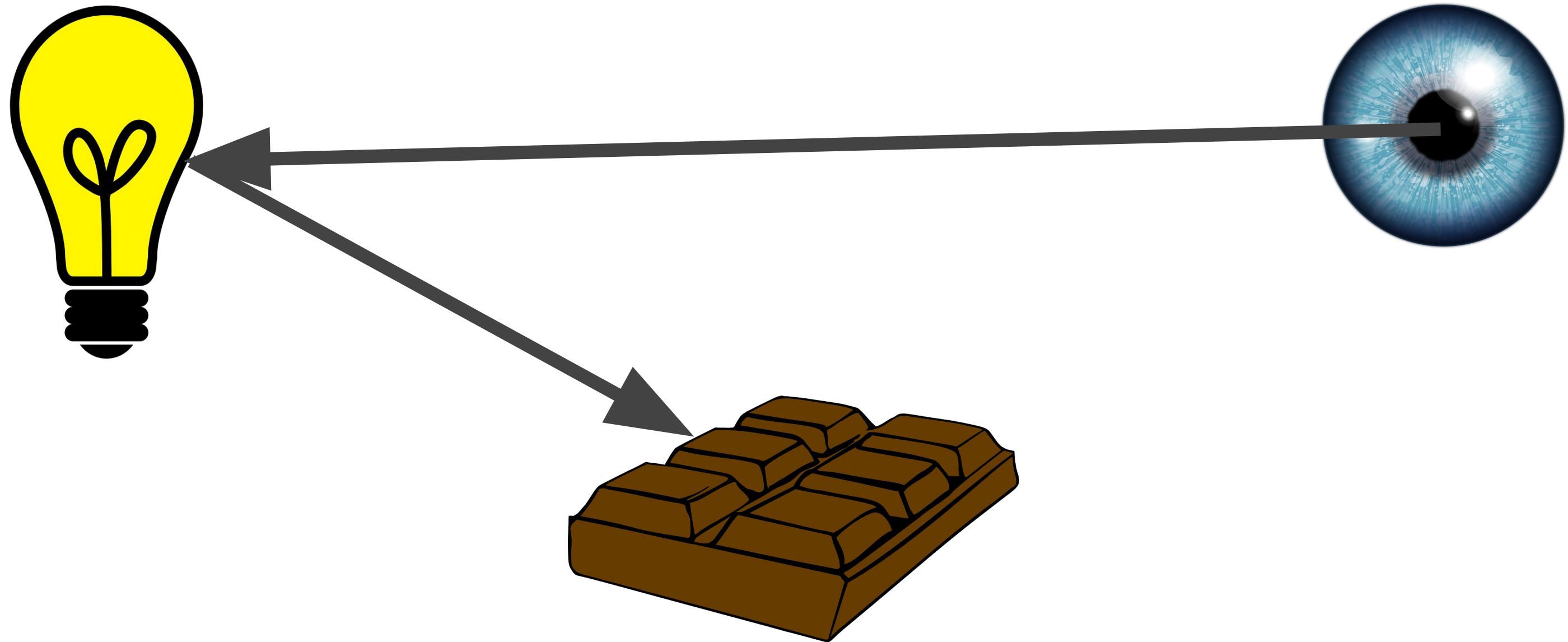
Spot the mistakes 1



Spot the mistakes 2

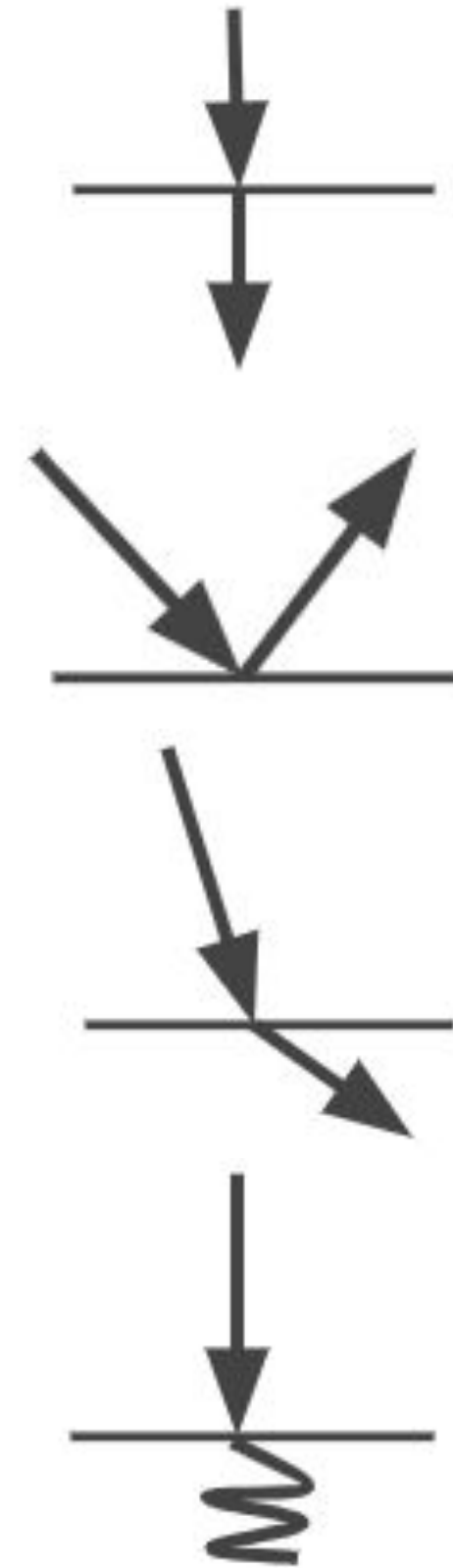


Spot the mistakes 3



What happens when light meets a surface: *Match up task*

| |
|--------------|
| Reflection |
| Absorption |
| refraction |
| transmission |



Draw a ray diagram to show:

1. How we can see our dinner.
2. Light travelling through a really clear car window
3. Light reflecting off a clean mirror
4. Sunlight being absorbed by a dark bench

Make sure:

- **Draw straight line using a ruler**
- **Include direction light is travelling**

Don't worry too much about your drawing!



Complete the following gap fill:

Light is a _____ wave, which means the vibrations are travelling _____ to the direction of the wave. Light can travel at a maximum speed of _____ m/s, when travelling through a _____. We see objects as light _____ off the surface and into our eyes.

Key words: reflects, 300,000,000, transverse, vacuum, perpendicular,



References

- Slide [2, 3, 4] - [lightbulb] - [Pixabay]
- Slide [2, 3, 4] - [chocolate bar] - [Pixabay]
- Slide [2, 3, 4] - [Eye] - [Pixabay]

