

## ENIGMA 4

- **Visual and format**



(Video 1)



(Video 2)

The enigma is written on the back of a radioactivity sign.

- **Enigma/puzzle**

Use the links and watch the videos. They are connected by one phenomenon. Name the phenomenon. The biomolecule which it affects is the hint to the placement of the next puzzle.

[https://www.youtube.com/watch?v=JLrMS\\_zs1kE](https://www.youtube.com/watch?v=JLrMS_zs1kE) (Video 1)

<https://www.youtube.com/watch?v=TG-nwQBBfmc> (Video 2)

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- **Estimated solving time**

10 min

- **Solution**

The phenomenon is mutation

- **Depends on**

The student's ability to associate visual information with abstract ideas (like mutation).

- **Benefits**

They would be able to understand better the effect of the radiation on living organisms.

- **Hints:**

- **Hint 1**

This phenomenon is caused by radiation and other factors-like viruses.

**(subtle)**

- **Hint 2  
(easy)**

This phenomenon is the cause for changes in the living processes and morphology in organisms.

- **Hidden place/placement**

Behind a sign for radioactivity.

- **Material needed**

Paper

Pen/pencil