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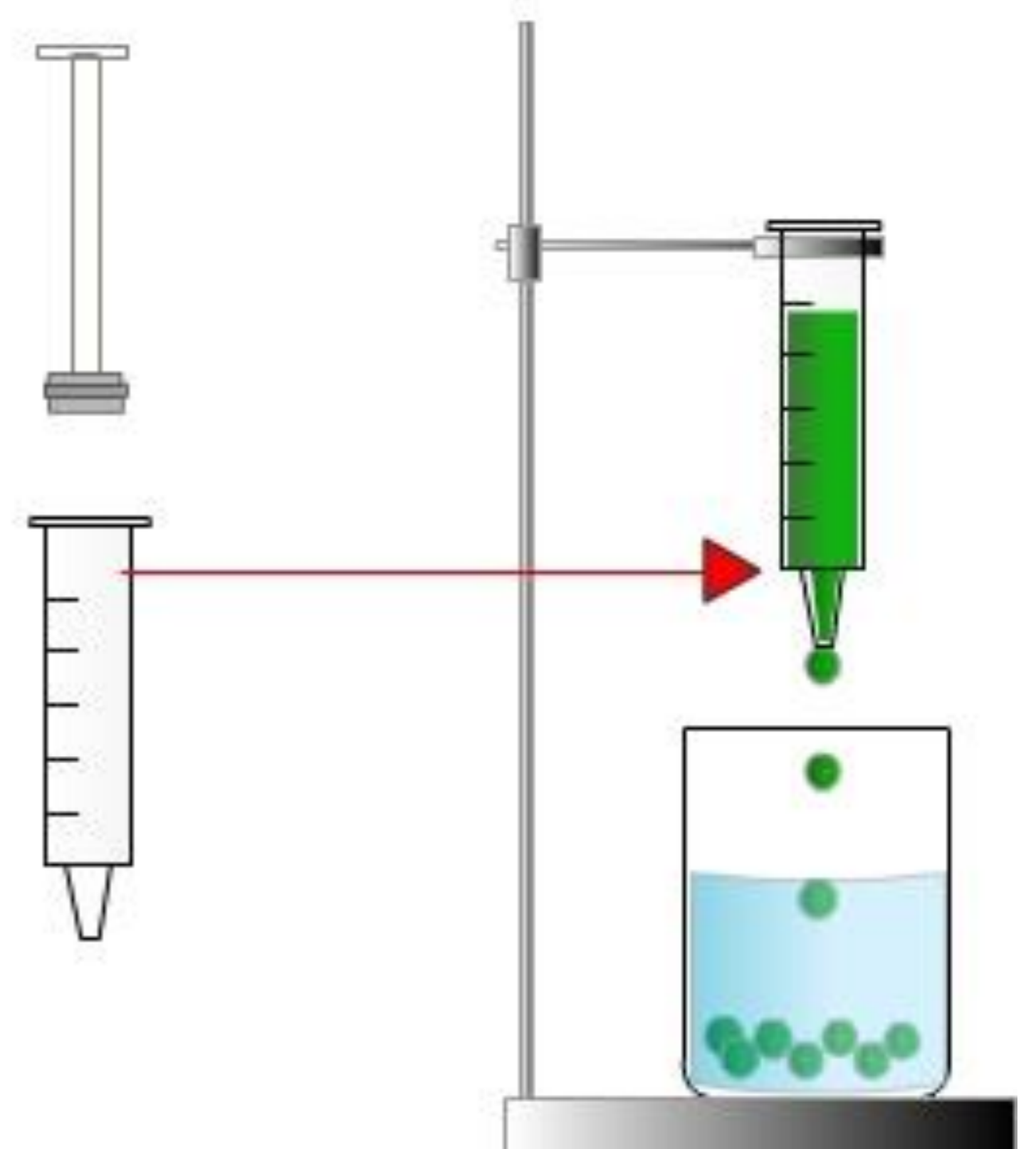
Algae pearls – The lights of the sea

ALGAE PEARLS

The STEM-project, '*WALL-E and the last plant on Earth*', emphasizes the vital link between plants and life on Earth.

Students:

- cultivate algae
- monitor growth through microscopy
- develop a photosynthesis experiment
- encapsulate the algae in *algae pearls*
- measure photosynthesis indirectly using pH



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THE LIGHTS OF THE SEA

In the dark depths of the ocean, *bioluminescent* organisms emit their own light for mating, hunting, defense and deterring predators.

Students:

- make chemical calculations
- develop a lab protocol
- make chemical solutions
- make an existing protocol more product-efficient

STEM-didactics are used in both projects.

Flanders Marine Institute supports education with thorough knowledge of the sea. www.planetzee.be is a tool for teachers to integrate the ocean in their lessons and make young people *ocean literate*.