

7.3.2 e1 Needs of Living Things Narrative

Time: 30 minutes	Anchor Phenomenon: A single cell can be a living organism.
Big Idea: Cells are systems that complete the functions necessary for life	
CCCs Structure and function	Practices Developing and using models

EPISODE SNAPSHOT: Students will identify the needs of living things and why they have those needs.

GATHERING

Show a picture of a tree and a human. Ask the students what living things need in order to stay alive. *(Typical answers will include food, water, shelter, air, getting rid of wastes etc.)* Write them on the board.

REASONING

Have students brainstorm as groups what functions (things) living things need to do in order to obtain those needs. *(Typical answers will include sleeping, eating, drinking, using the bathroom, wearing clothes, reproducing, breathing, photosynthesis, etc.)*

COMMUNICATING

Have each group *communicate* what they have come up with on the graphic organizer. *(Students should only fill out the first two sections)* They should include a need, the function to obtain that need and why it's important for the body to have that function. Give the students a few minutes to fill in as much as they know, then show the oxygen video (see below) which does a good job at explaining needs. After the video, have students communicate their understanding by sharing their answers with the class. *(The focus is getting students to understand that the reason we have needs is not to simply to "stay alive", but that organisms need them to perform different functions within their bodies in order to stay alive. For example, if you ask students, "Why do you breathe?" they will most assuredly answer, "So we don't die." While that is true, students should understand why our bodies need oxygen.)*

Assessment: Students will show understanding through the classroom discussion and by filling out the graphic organiser.	Materials, resources, handouts, etc: - Picture of a tree and a human 7.3.2 e1 NeedsOfLivingThings 7.3.2 e1 Needs of Living Things KEY - Why Do We Need Oxygen To Survive Video https://www.youtube.com/watch?v=LM_CgtFORzw
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