

7.4.3 e1 Can You See Like Me? Narrative

Time: 15 minutes	Anchor Phenomena: Why are some people colorblind?
Big Idea: Mutations can be harmful, neutral, or beneficial.	
CCCs Structure and function.	Practices Develop and use a model

EPISODE SNAPSHOT: Students will be introduced to mutations by observing a color blind test.

GATHERING

(Teacher note: Do not tell students this is a color blind test.) Tell students write down their observations in their science notebooks as to what they see on each picture, without talking to their neighbors. *(Teacher note: Place the papers around the classroom for students to look at. Allows students time to look at each picture)*. After a few minutes, students share their observations with the class. If all students can see all of the numbers in the circle, explain that there some people in the population that cannot find the number in the circle.

REASONING

Teacher asks the following question: “Why do you think some people can’t see the number?” At this point, someone will probably say, “Because they are color blind”. Ask this question, “Why are some people color blind?” Students brainstorm ideas with their group, table or partner.

COMMUNICATING

One student in each group will write their best explanation on the board. *(Teacher note: Record the explanations to revisit in a later episode.)*

Assessment: Students come up with an explanation that is written on the board.	Materials, resources, handouts, etc: 7.4.3 e1 CanYouSeeTest
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