

7.5.1 e1 Who Am I? Narrative

Time: 75-90 minutes	Anchor Phenomena: It's hard to tell apart embryos from different vertebrates.
Big Idea: There are similarities and differences in embryo development across different species.	
CCCs <u>Patterns</u>	Practices Analyzing and Interpreting Data

EPISODE SNAPSHOT: Students will compare species at three different embryonic development stages. They will be able to see the patterns and look for similarities and differences across several species. Patterns of similarities and differences are not always seen in fully formed organisms.

GATHERING

(Teacher hint: There are three Embryo card sets. You may want to do station sets of all the embryo cards and the organism name cards and then laminate them, then keep them in separate labeled envelopes – label with the set number and the card letters. This will help in identifying sets 1, 2, and 3. It will also allow you to use them more than once.)

The teacher will pass out the first Embryo set for students to look at. Once students have written down which organism goes with which picture then the teacher will hand out the second set of Embryos. Students will look for patterns that perhaps were not there with the first strip. Once the student has evaluated the second set, they may change what they had previously thought. Upon being given the third Embryo set, the student may once again change or rearrange the embryos until they have made their final choices.

REASONING

Students will document the similarities and differences that they notice on the assignment sheet.

The teacher will ask students to share their answers about the similarities and differences that they saw in the third strip of embryo drawings. The teacher will show the slideshow to reveal what the Embryos really were. Students will check their selections and see how closely they were able to identify the organisms.

After the Who am I activity is completed present the following to your class.

COMMUNICATING

Guess the Embryo:

<http://www.pbs.org/wgbh/nova/evolution/guess-embryo.html>

(This activity will only run on fully updated Google Chrome.) The best means of presenting this information would be to put it on the teacher computer and project in on a large screen for the students. Once you are at the website click on launch interactive. The teacher could have the students predict which animal they think they are seeing and then by clicking on the animal picture they will be able to see if they are correct. Once you have identified the correct animal, you can go through the development slides and watch the embryo change.

Students will then take their assessment.

Assessment: Students will analyze and interpret pictorial data that is different from what they have previously seen. They will describe patterns by identify similarities and differences within the embryos.	Materials, resources, handouts, etc: Computer and Projector Embryo Card Sets and Organism Names printed on colored cardstock and laminated. Embryo Card Sets Folder - Embryo Card Sets and Organism Names printed on colored cardstock and laminated. 7.5.4 e1 WhoAmI 7.5.4 e1 WhoAmIPPT – Adult Organism Slideshow 7.5.4 e1 WhoAmIPPT PDF File
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