Structure/Function (Assessment)

Concepts Assessed

The design of an object and the materials that make it are related to the function or job of that object. Living things demonstrate a structure function relationship.

Time

15 minutes

Materials

Individual
Writing Prompt

Advance Preparation

1. Duplicate assessment.

Procedure:

1. Explain that students will now have an opportunity to share what they know about structure and function.

2. Distribute the assessment and provide time for students to answer it.
Organization of Living Things

1. Define structure

2. Define function

3. What is the smallest structural unit of a living thing?

4. Put the following structures in order of how complex their functions are: tissue, cell, organ system, organ

5. Using what you know about structure and function, how could you use a football to play golf?
KEY

1. Define structure
   How something is made and put together; the parts something has and how they are made

2. Define function
   The job or role something does

3. What is the smallest structural unit of a living thing?
   cell

4. Put the following structures in order of how complex their functions are: tissue, cell, organ system, organ
   Cell, tissue, organ, organ system

5. Using what you know about structure and function, how could you use a football to play golf?
   Answer needs to include the idea that the structure and function must match; some possible ideas;
   Change the rules of golf so that a ball can be thrown into a hole
   Change the golf club to be bigger to hit the football so it rolls on the biggest part of the oval
   Change the golf course so that the hole are closer and you roll or throw the football into the holes
   Change the shape of the football to be more round, use a big club and sink it into big holes