

## Performance 3 Evidence Statements

### Expectation4-LS1-

1. Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
  2. Clarification Statement: Examples of structures could include thorns, stems, roots, colored petals, heart, stomach, lung, brain, and skin.
3. You can also choose one animal and describe how the 11 body systems help it to survive.
1. This is to be written in essay format.
  2. Neatly handwritten or typed.
  3. Minimum of three pages-with diagrams and cover page
  4. Proper cover page. Name, Title, Class and Teachers Name.

**Assessment Boundary: Assessment is limited to structures within plant and animal systems.**

### RUBRICS

LS1-1 Supported claims Students make a claim to be supported about a phenomenon. In the claim, students include the idea that plants and animals have internal and external structures that function together as part of a system to support survival, growth, behavior, and reproduction Identifying scientific evidence Students describe the given evidence, including: The internal and external structures of selected plants and animals.

The primary functions of those structures. Evaluating and critiquing evidence Students determine the strengths and weaknesses of the evidence, including whether the evidence is relevant and sufficient to support a claim about the role of internal and external structures of plants and animals in supporting survival, growth, behavior, and/or reproduction. Reasoning and synthesis

Students use reasoning to connect the relevant and appropriate evidence and construct an argument that includes the idea that plants and animals have structures that, together, support survival, growth, behavior, and/or reproduction.

Students describe a chain of reasoning that includes: Internal and external structures serve specific functions within plants and animals (e.g., the heart pumps blood to the body, thorns discourage predators). The functions of internal and external structures can support survival, growth, behavior, and/or reproduction in plants and animals (e.g., the heart pumps blood throughout the body, which allows the entire body access to oxygen and nutrients; thorns prevent predation, which allows the plant to grow and reproduce).

Different structures work together as part of a system to support survival, growth, behavior, and/or reproduction (e.g., the heart works with the lungs to carry oxygenated blood throughout the system; thorns protect the plant, allowing reproduction via stamens and pollen to occur).