

What Physical Features Helped a Dinosaur Survive?

Research Assistant Notebook

Student Name

Teacher Name

Class Period

GATHER DATA: BODY PLAN

Goal: Create a dinosaur that can stand.

INSTRUCTIONS

1. Discuss with your partner what you think you will need to keep in mind as you build a dinosaur to survive this stage.
2. Start building! Record what body parts you use so that you can analyze and interpret the results afterwards.

HEAD							
ARMS							
LEGS							
TAIL							
TORSO							

ANALYZE AND INTERPRET

1. This model was (circle one) **SUCCESSFUL/UNSUCCESSFUL** at surviving this stage.
2. **We wonder...**(List at least 2 possible explanations for why the model you built was successful or unsuccessful.)
3. **To test this explanation, the next time we build a dinosaur for this challenge, we will...**
(List at least 2 possible ways to test your explanation for why the model you built was successful or unsuccessful.)

GATHER DATA: DIET

Goal: Create a dinosaur that can eat enough to survive.

INSTRUCTIONS

1. Discuss with your partner what you think you will need to keep in mind as you build a dinosaur to survive this stage.
2. Start building! Record what body parts you use so that you can analyze and interpret the results afterwards.

HEAD							
ARMS							
LEGS							
TAIL							
TORSO							

ANALYZE AND INTERPRET

1. This model was (circle one) **SUCCESSFUL/UNSUCCESSFUL** at surviving this stage.
2. **We wonder...**(List at least 2 possible explanations for why the model you built was successful or unsuccessful.)

3. **To test this explanation, the next time we build a dinosaur for this challenge, we will...**
(List at least 2 possible ways to test your explanation for why the model you built was successful or unsuccessful.)

GATHER DATA: COMBAT

Goal: Create a dinosaur that can survive in the wild.

INSTRUCTIONS

1. Discuss with your partner what you think you will need to keep in mind as you build a dinosaur to survive this stage.
2. Start building! Record what body parts you use so that you can analyze and interpret the results afterwards.

HEAD							
ARMS							
LEGS							
TAIL							
TORSO							

ANALYZE AND INTERPRET

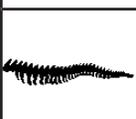
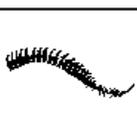
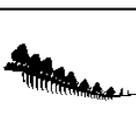
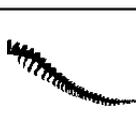
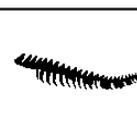
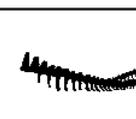
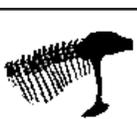
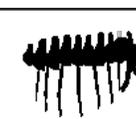
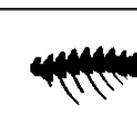
1. This model was (circle one) **SUCCESSFUL/UNSUCCESSFUL** at surviving this stage.
2. **We wonder...**(List at least 2 possible explanations for why the model you built was successful or unsuccessful.)
3. **To test this explanation, the next time we build a dinosaur for this challenge, we will...**
(List at least 2 possible ways to test your explanation for why the model you built was successful or unsuccessful.)

GATHER DATA: REPRODUCTION

Goal: Create a dinosaur that can stand, eat, survive, and attract a mate.

INSTRUCTIONS

1. Discuss with your partner what you think you will need to keep in mind as you build a dinosaur to survive this stage.
2. Start building! Record what body parts you use so that you can analyze and interpret the results afterwards.

HEAD							
ARMS							
LEGS							
TAIL							
TORSO							

ANALYZE AND INTERPRET

1. This model was (circle one) **SUCCESSFUL/UNSUCCESSFUL** at surviving this stage.
2. **We wonder...**(List at least 2 possible explanations for why the model you built was successful or unsuccessful.)

3. **To test this explanation, the next time we build a dinosaur for this challenge, we will...**
(List at least 2 possible ways to test your explanation for why the model you built was successful or unsuccessful.)

TEST YOUR EXPLANATION

INSTRUCTIONS

1. With your partner, plan an investigation to test the explanations you came up with for why your model was successful or unsuccessful at each stage as you play the game a second time.
2. Keep track of the evidence for your explanations in the boxes below.

NOTES ABOUT STAGE 1: BODY PLAN	Our explanation for what is needed to survive this stage:
	Evidence for our explanation:

NOTES ABOUT STAGE 2: DIET	Our explanation for what is needed to survive this stage:
	Evidence for our explanation:

TEST YOUR EXPLANATION (continued)

NOTES ABOUT STAGE 3: COMBAT	Our explanation for what is needed to survive this stage:
	Evidence for our explanation:

NOTES ABOUT STAGE 4: REPRODUCTION	Our explanation for what is needed to survive this stage:
	Evidence for our explanation: