My Name	Design Challenຍ My Team M	•			
The zoo just rescued an elep design an artificial trunk for		esn't ha	ave a trunk!	Your challeng	e is to
<ul> <li>Design Constraints:</li> <li>The trunk must attach to the</li> <li>The trunk must be between 5</li> <li>The elephant must be able to</li> <li>You may use only the material</li> </ul>	0 cm and 80 cm lobreathe through	ong.	•		
PLAN List the functions of an elephant's					
Which materials will your team u	se?				
Draw and label a picture of your	elephant trunk in	the box	below.		
<u>DESIGN</u> – Build your trunk!					
CHECK Did you follow the Design Is the trunk attached to the body Is your trunk between 50 cm and Is there a place for your elephant	? 80 cm?	YES YES YES YES	NO NO NO		

## How did your team work together?





## **SHARE**

Write one paragraph to describe your elephant trunk.

Prepare a group presentation to tell the class about your elephant trunk.

Elephant Trunk Design Challenge - Rubric						
	2	1	0			
Design Sheet	95-100% complete and accurate	70-94% complete and accurate	<70% accurate			
Research	Evidence of research in notes; the student can describe the functions of an elephant's trunk; information from research was applied to the trunk design	Evidence of research in notes; the student can describe the functions of an elephant's trunk	Notes missing or lacking detail; the student cannot describe the functions of an elephant's trunk			
Plan/Diagram	Diagram includes details and labels; evidence of revisions; matches final product	Diagram includes details and labels; does not match final product	Diagram lacks details or does not match elephant trunk design			
Trunk	The trunk met all design criteria: attached to the body, 50-80 cm long, breathable	The trunk met 2 of the 3 design criteria	The trunk met 0 or 1 design criteria			
Teamwork	The student was an active participant; conflicts were minimal and solved within the group	The student was an active participant; 1 conflict needed teacher intervention	The student did not participate or needed multiple conflicts solved by the teacher			
Written Report	One paragraph report describes the trunk in detail and matches the design	One paragraph report includes some detail and matches the design	Report is less than one paragraph, lacks detail, or does not match the design			