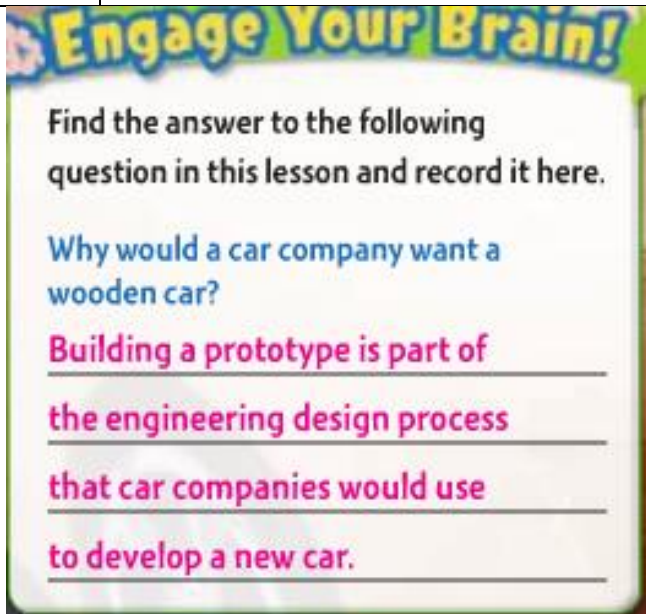





Name: _____

Class: _____

1. Date: _____	2. Date: _____
 <p>Engage Your Brain!</p> <p>Find the answer to the following question in this lesson and record it here.</p> <p>Why would a car company want a wooden car?</p> <p><u>Building a prototype is part of the engineering design process that car companies would use to develop a new car.</u></p>	<p>► In the space below, draw a picture of something you can see around you that was probably designed by an engineer.</p> <p>Students may draw desks, microscopes, computers, and lights.</p>

3. Date: _____	
<p>How was it improved?</p> <p>Look at the skateboards. Describe two design features that have been improved over time.</p> <p><u>Sample answer: Wooden boards have been replaced with plastic; Metal wheels have been replaced with rubber wheels; The single board was replaced with two movable parts</u></p>	

4. Date:

Details

Draw a blueprint of a school supply, favorite toy, or tool. Label its parts and include exact measurements.

Students' pictures will vary, but should include detailed measurements of their chosen object.

5. Date:

Spin Off!

Imagine a normal bicycle. Now think of three ways it could be modified to work better in different environments.

Sample answer: It could have fatter
tires for offroading. It could float and
have tires with paddles. It could have
an aerodynamic windshield for going
really fast.

