# 3D Challenge

Name: _____

Your challenge is to create a robot using a cylinder, cube, rectangular prism, cone, and pyramid.

Pre-planning:

1. The cylinder will be the robot's _____
2. The cube will be the robot's _____
3. The cone will be the robot's_____.
4. The pyramid will be the robot's_____.
5. The rectangular prism will be the robot's_____.

Use the 3d shapes provided by your teacher to answer the following:

1. A cube is made up of 6_____.
2. A rectangular prism is made up of 4_____and 2 _____.
3. The pyramid is made up of 4_____and 1_____.
4. The cylinder is made up of_____.
5. A come is made up of_____.

Complete after you finish your robot:

1. The hardest 3D shape to make was the_____.
   Why do you think this? _____
2. The easiest shape to make was the_____.
   Why? _____