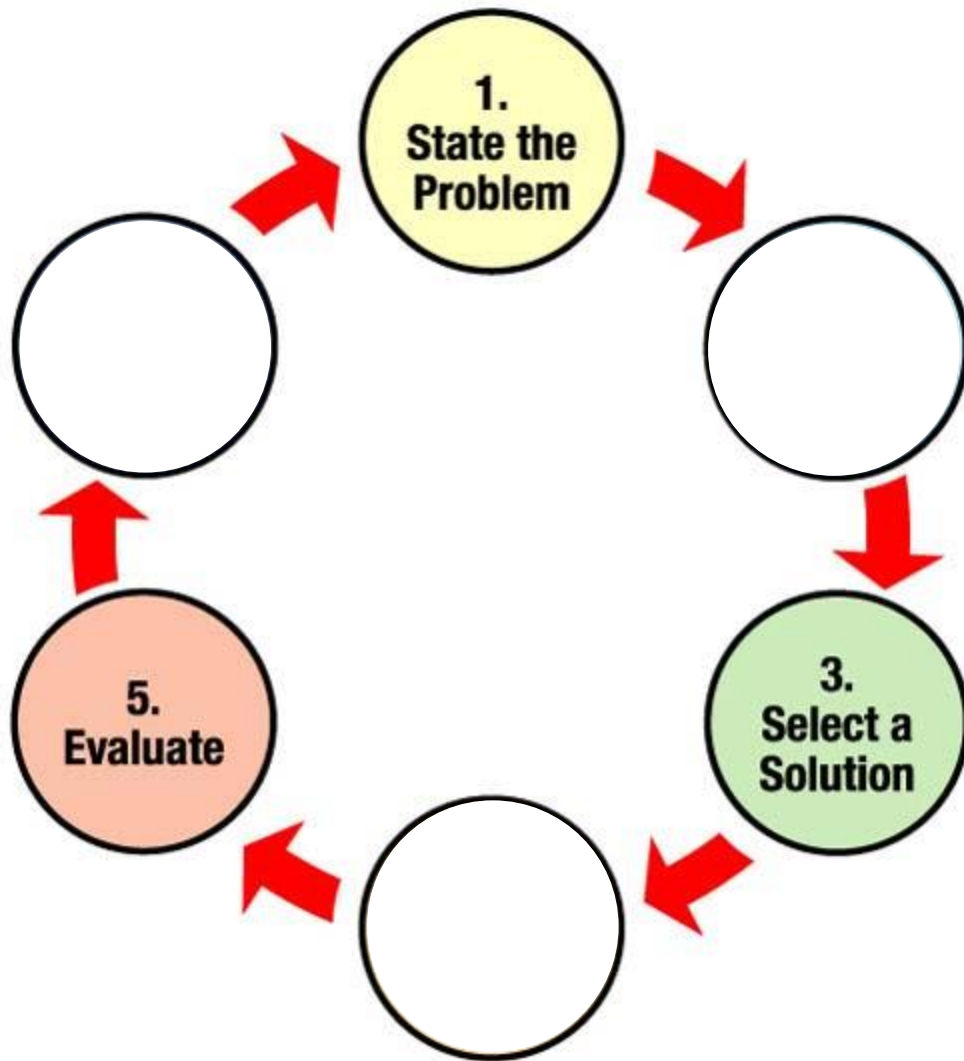


Lesson 11: Brainstorm and Preliminary Design

Engagement Questions:



What is this process called? _____

What is the purpose of the Engineering Design Process? _____

How will you use the Engineering Design Process to build a Mars rover? _____

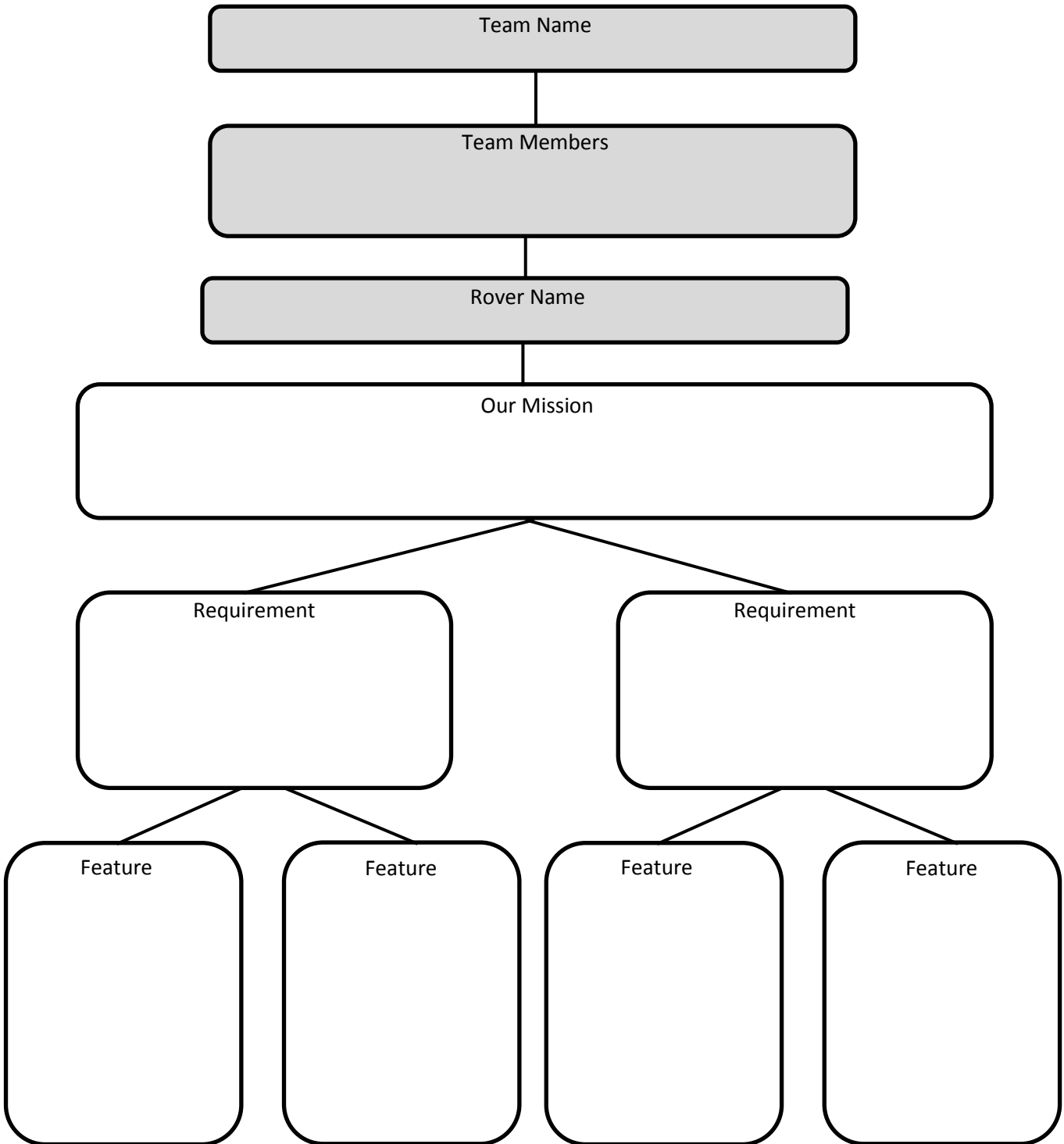
Exploration Activity:

Work with your team to draw a sketch of what your rover will look like. Tape or staple extra pages into your Science Notebook as needed.

Teacher Checkpoint: _____

Explanation:

Once you have completed the rough draft of your concept map on scratch paper and your teacher has approved it, copy it neatly in the space below. Use additional pages if needed.



Teacher Checkpoint _____

Evaluation:

Which step of the Engineering Design Process was the most difficult for your team? What made this step so challenging for you?

Elaboration (optional):

Once you are finished building your Mars Rover, make sketches of its top, front, and side views.

How does your original sketch compare with your actual prototype? What changes did you need to make? Why? _____
