NASA is developing a new rocket called the Space Launch System, or SLS. The SLS will be able to carry astronauts and materials, known as payloads. **Materials engineers** are helping to build the SLS.

**Materials engineers** work with stuff like plastic and aluminum. They make these materials into items we can use.

**Name another type of material.**

__________________________________________

Aluminum will be used for the core stage of the SLS because it is light.

**Name one other thing that you know is made of aluminum.**

__________________________________________

NAME: ______________________________________
Find a toy or other object in your classroom and look at it closely.

From what materials is the object made?
__________________________________________________________

Why do you think this material was used?
__________________________________________________________
__________________________________________________________

Draw a picture of your object. Label the different materials.

Look at the SLS rocket on the other side of this sheet.

Name a material that engineers would not want to use on a rocket.
__________________________________________________________

Why would that material be a poor choice to use for a rocket?
__________________________________________________________
__________________________________________________________
__________________________________________________________