Engineering is Out of This World!

Materials Engineering

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: _____

Did you know?!

NASA materials engineers developed material for space suits that is now used to keep firefighters safe!

These engineers also developed the material that is used in "invisible" braces!

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?

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