

Name _____

Wrap it Up!

Materials and Considerations

Research various packaging materials and important packaging considerations.

	Environmentally Friendly	Environmentally Unfriendly
Types of Packaging Materials		
Advantages of Each Category of Materials		
Disadvantages of Each Category of Materials		

Important Considerations What are the most important considerations when choosing the packaging materials and designing the packaging for an item?

Name _____

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Package Shapes

Consider the pros and cons of each package shape to package your water filter.

Size Determine the dimensions of the water filter you will be packaging. You can find and measure a water filter, or you can research dimension information online.

Package Shape	Package Surface Area	Package Volume	Sketch and Label Package
Rectangular Prism			
Cylinder			
Cone			
Sphere			

Think Based on the information above, which shape(s) would you consider to package your water filter? Why?

Name _____

Wrap it Up!

Product Design

Your task: Design an environmentally friendly package for a water filter.

Describe existing products and how you wish to improve on them.

What requirements do you need to meet to successfully complete your task?
If needs are conflicting, which take priority?

How will you determine your success in completing your task?

Brainstorm and describe three products that could fit your needs.

Wrap it Up!

Product Design, *continued*

Rank how well each product meets your requirements.

Criteria	Product #1:	Product #2:	Product #3:
Requirement #1: _____			
Requirement #2: _____			
Requirement #3: _____			
Requirement #4: _____			
Requirement #5: _____			
Total Points			
Notes			

Which product is the best choice to complete your task? Why?