

Nano Benefits

Nanotechnology has great potential for making our lives healthier and more convenient. While most people think of nanotechnology products as things of the future, new “nanotech” products are currently being used in millions of homes. Many people are probably not even aware of many of the products that include nanoparticles.

Your class will develop a series of posters that could be used to make people in your community aware of the different types of nanotech products they may already be using. To share the work, each team in your class will be assigned a different product category to investigate.

Your team has been assigned product category:

You will be responsible for creating a poster that shows examples of **three** products in the category assigned to you. You should select products that are likely to be used by people in your community. Your poster should include the following information on **three** products:

- Names and pictures of the products
- The type of nanoparticles included in the products
- The advantages for use of nanoparticles in these products
- Source of information (URL)

Follow the guidelines on the poster template so that the class poster series will have a professional and consistent appearance. Also be certain to refer to the *Scoring Guide for Nano Benefits Poster* to be certain you understand how your poster will be graded.

To create your poster, you may find the following websites helpful.

<http://www.nanotechproject.org/inventories/>

<http://understandingNano.com/Nanotech-applications.html>

Nano Benefits Poster Template

Create your poster by taping 4 sheets of paper together. The tape should go on the back side of the poster.

<p style="text-align: center;">Nano Benefits</p> <p style="text-align: center;"><u>Your assigned nanotechnology category</u></p> <p style="text-align: center;">Team Member's Names</p> <p style="text-align: center;">This nanotechnology is great because.....</p>	<ul style="list-style-type: none">• Name of the product• The type of nanoparticles included in the product• The advantages for use of nanoparticles in these products <div style="border: 1px solid black; width: 150px; height: 150px; margin: 10px auto; text-align: center;">Picture of the product</div> <p style="text-align: right;">Source of information</p>
<ul style="list-style-type: none">• Name of the product• The type of nanoparticles included in the product• The advantages for use of nanoparticles in these products <div style="border: 1px solid black; width: 150px; height: 150px; margin: 10px auto; text-align: center;">Picture of the product</div> <p style="text-align: right;">Source of information</p>	<ul style="list-style-type: none">• Name of the product• The type of nanoparticles included in the product• The advantages for use of nanoparticles in these products <div style="border: 1px solid black; width: 150px; height: 150px; margin: 10px auto; text-align: center;">Picture of the product</div> <p style="text-align: right;">Source of information</p>

Scoring Guide for Nano Benefits Posters

		Your score
Team made good use of class time	2 points	
Team shared work fairly	2 points	
Poster complete and handed in on due date	2 points	
Proper poster format followed	2 points	
Neat and visually appealing	2 points	
Nanotechnology is great because....	2 points	
Creative	2 points	
Sources cited for each product	3 points	
Pictures of products	3 points	
Names of products	3 points	
Particles in product	3 points	
Advantages of use of nanoparticles	6 points	
Total possible points	32 points	
Teacher Comments		

Nano Benefits Category Assignment List

1. **Appliances** Batteries, Heating, Cooling and Air Conditioning , Large Kitchen Appliances, Laundry and Clothing Care
2. **Home and Garden** Cleaning, Construction Materials, Home Furnishings, Luggage, Paint, Pets
3. **Electronics** Audio, Cameras and Film, Computer Hardware, Display, Mobile Devices and Communications, Television, Video
4. **Food and Beverage** Food ingredients, Cooking, Food Storage, Supplements
5. **Industrial Coatings** Films, Protective coatings
6. **Goods for Children** Childcare products , Toys and Games
7. **Health and Fitness** Clothing, Cosmetics, Filtration, Personal Care, Sporting Goods, Sunscreen
8. **Automotive** Exterior, Maintenance and Accessories, Watercraft
9. **Medicine** Drug delivery, Therapy, Diagnostics, Imaging, Anti-microbials, Cell repair
10. **Energy** Fuel Production, Fuel Cells, Solar Cells, Batteries
11. **Air and Water Quality** Catalysts, Nano-structured membranes, Decontamination, Filtering

Peer Review of Nano Benefits Posters

Your name _____

Who created the poster? _____

Poster topic _____

Directions: Rate each poster for the characteristics listed.
Place an X on each line in the location that represents your rating.

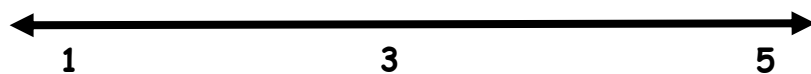
Rating Scale

1 = Poor

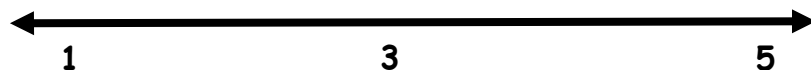
3 = OK

5 = Excellent

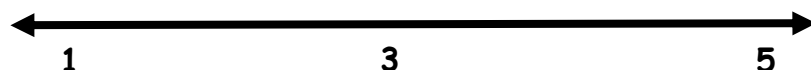
Poster format was followed



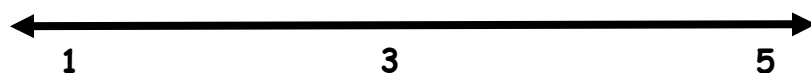
Neat and visually appealing



Products selected were interesting



Product information is informative



What did you like best about this poster?

How might this poster be improved?