

Name

## Invention Report—Part I----Due November 22

Answer each section in a word-processing document. Include the headings to identify the section you are answering.

**MATERIALS: List all materials used in your invention.**

Include details like the quantity, size, type and brand.

*For example: glue, 16 red velvet cloth squares (4 cm X 4 cm), 17 paperclips, 1 plastic dowel rod (36 inch), 100 aluminum nails, 12 feet of “Spiderwire Ultra” fishing line and 1 roll of 3M blue painters tape*

**TOOLS: List any tools you used to build your invention.**

*For example: I used a hammer, hot glue gun, scissors, ¼ inch hole punch, my mom’s AutoCad software and computer, and a 24-inch floor sander that was rented from A to Z rental.*

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Write these answers in complete sentences. Please check carefully for errors in spelling, grammar, punctuation and word usage. Answer in a concise way, but be sure to be specific and descriptive. Give examples.

**PROBLEM STATEMENT: What was the problem, idea or need that led to your invention?**

**NEED: Why is your invention useful?** Tell us why your invention solves your problem and why you think there is a need for it. Be specific and use details.

**INVENTION AUDIENCE: Who will benefit from your invention?**

*For example: My invention will benefit people who drive more than 20 miles on a daily basis because it will minimize the gas that is used. For the same reason, it could also benefit bus companies, taxi companies and truck drivers.*

**DESCRIPTION OF INVENTION AND HOW IT WORKS:** Provide a specific description of how the invention looks. Give a step-by-step description of how to use the invention. Imagine that the person you are writing to has no idea how to use it. How would you explain it clearly? Be specific and use details.

### **RESEARCH—Google patents**

Use Google patents at <http://www.google.com/patents> to research your invention idea.

Directions: Think about your invention and its function or purpose. What words describe it clearly? What words describe what it does? Who would use your invention? These are the *keywords* that you will type into the Google Patent search.

*For example: If your invention is used to cut watermelon, type “watermelon slicer,” “watermelon cutter,” or “watermelon” into the search box and then click the Search Patents” button.*

Once you click the “Search Patents” button, a list of invention that Google relates to your keywords will appear. Click on at least three invention titles that sound similar to yours and read the descriptions. Look at the drawing. Out of those three, choose the one that is most like yours.

Hint: If your first search doesn’t return anything similar to your invention, try other ideas such as “melon cutter” or “fruit slicer.” Keep searching with different key words until you find something similar to your invention.

Answer the questions below.

**KEYWORDS:** Write all the keywords or phrases you searched (at least two):

**INVENTION NAME:** Write the name of the most similar invention/ thing you found to your invention.

**PATENT NUMBER:**

**DESCRIPTION OF THE INVENTION:** Briefly describe the invention/thing you found that is similar to your invention. Tell how it looks. Tell what it does.

**COMPARISON WITH YOUR INVENTION:** How and why is your own invention

## unique/different than the invention you found using google-patents?

**RESEARCH—(Source 2):** Locate a product using your choice of: Internet search, in-person visit to a store/location/business/person that might sell, offer or be an expert about something like your invention, or a phone call to a store/location/business/person that might sell, offer or be an expert about something like your invention. You may need to search several places to find something similar to your invention—don't stop research if you can't find something similar to you invention at ONE place. (Please remember that Google is a way to search the Internet NOT a specific website)

Think about your invention and its function or purpose. What words describe it clearly? What words describe what it does? Who would use your invention? These are the *keywords* that will help you choose a place to research.

For example: If you invention is a kitchen tool used to cut watermelon, find a place that might sell, offer or be an expert about something like you invention. Would *Bed Bath and Beyond* sell a product like yours? Do you know a chef who could help you in you in your research? Would [www.williams-sonoma.com](http://www.williams-sonoma.com) be a good place to start an online search?

Hint: If you invention is a kitchen tool used to cut watermelon, you probably wouldn't find anything similar at an automobile service center (Like JiffyLube) or a shoe store (like Payless).

Answer the questions below.

**Where did you do your research?** Type the name of the store, business, person, specific website, URL, or [www.google.com/patents](http://www.google.com/patents)

**KEYWORDS:** Write all the keywords or phrases you searched (at least two):

**INVENTION NAME:** Write the name of the most similar invention/ thing you found to your invention.

**DECRPTION OF THE INVENTION:** Briefly describe the invention/thing you found that is similar to your invention. Tell how it looks. Tell what it does.

**COMPARISON WITH YOUR INVENTION:** How and why is your own invention unique/different than the invention you found that is similar to your invention.

(Source 3)—Your choice: Find another patent or another product similar to your invention.

**Where did you do your research?** Type the name of the store, business, person, specific

website, URL ([www.google.com](http://www.google.com) IS NOT a specific website), etc.?

**KEYWORDS:** Write all the keywords or phrases you searched (at least two):

**PATENT NUMBER (if applicable):**

**INVENTION NAME:** Write the name of the most similar invention/ thing you found to your invention.

**DESCRIPTION OF THE INVENTION:** Briefly describe the invention/thing you found that is similar to your invention. Tell how it looks. Tell what it does.

**COMPARISON WITH YOUR INVENTION:** How and why is your own invention unique/different than the invention you found that is similar to your invention.