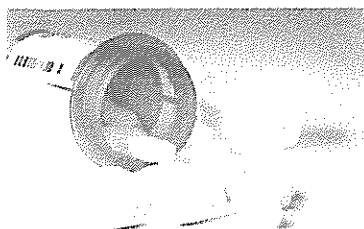


Pure vs. Applied Science

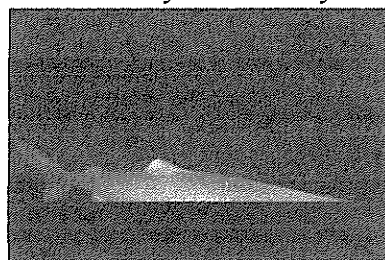
Introduction: **Pure science** is science performed simply for the further knowledge it will provide. **Applied science**, also known as **technology**, is performed with a specific goal.

Now you are going to take the role of a representative for a pharmaceutical company, a college professor doing research, a citizen or the government official providing a grant. Each group will debate the merits of who should have the scientific grant.

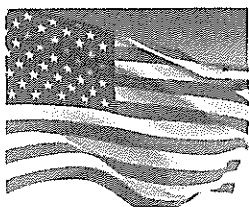


***Pharmaceutical Representative:** You will be providing an argument to the citizens and the government official to convince them that you should receive money for applied research or technology within your company. You are working on another drug that will help individuals with depression and you believe you should receive funding for it.

***College Professor Doing Research:** You will be providing an argument to the citizens and the government official to convince them that you should receive money for the pure science that you would like to perform studying the rarely seen and never studied Greenland Shark. The Greenland Shark appears to have fascinating differences from other sharks. However, no one knows exactly what this shark looks like or how it behaves because it has never been studied. You believe you should receive funding to further knowledge about this shark.



***Citizen:** You are a taxpayer and it will be your money that will fund the grant for either the technology or the pure science. Listen carefully to the arguments made by the individuals while keeping in mind the goals of pure science versus technology and the goals of each of the projects. Then, decide to whom you want your money to go.



***Government official:** You must make a decision about the cause which should receive money based on its merits. Keep in mind the goals of pure science and technology, the goals of the individual studies for which the money is being requested and how well the arguments were made by the individuals.

Things to include in your argument:

1. How your cause relates to pure science and/or applied science.
2. How your chosen cause will benefit humankind.
3. Other reasons your cause deserves the money.
4. Reasons the other cause does NOT deserve the money.

Name: _____

Hour: 3 6 8

Debate Rubric

Group Members:

- 1.
- 2.
- 3.
- 4.

Pure science clearly defined	____/2
Applied science clearly defined	____/2
How cause relates to pure/applied science	____/4
How the causes discussed will benefit society	____/4
Arguments against the other cause	____/4
Organization	____/4
Creativity	____/4
Outside support for arguments	____/4
Total	____/28