Problems, problems, problems… Name:

Research at least 3 problems that fit into the Conrad Challenge categories:

* **Aerospace & Aviation** describes the human effort in science, engineering and business to fly in the Earth’s atmosphere and surrounding space. Examples include: avionics, aerodynamics, human factors/cockpit design, and propulsion systems.
* **Health & Nutrition** encompasses fields of study regarding the human body and behavior as they relate to wellness and medicine. Examples include: prosthetics, nutrition science, exercise science, medical technology, hunger solutions, mental health, assistive technology, healthcare services, healthcare safety, and biomedical engineering.
* **Energy & Environment** includes all fields that study the human use of natural resources and the impact of human activity on the environment. Examples include: energy storage, energy efficiency, renewable resources, sustainable land use, recycling solutions, environmental health, water resources, biodiversity, climate change, waste and other clean technology innovations.
* **Cyber-Technology & Security** is information technology and security as applied to computing devices, as well as computer networks. The field how computer-based equipment, information and services are protected from unintended or unauthorized access, change or destruction. The field also includes protection from unplanned events and natural disasters. Examples include: artificial intelligence applications, network defense systems, counter intelligence technologies for government, data-driven energy management technologies, smart security technologies, and database models to track, predict, and categorize natural disasters.

For each, state the problem, identify which category (or categories) it fits into, summarize in a sentence why the problem is important (be as specific as you can) and who has this problem. Document the URL for the most relevant Wikipedia page plus two other sites that you found helpful. Write one useful/interesting fact about the problem you learned from each of the non-wikipedia sites.

# Problem #1:

The problem is

Conrad Challenge Category (circle all that could apply):

Aerospace/aviation Health/nutrition Energy/environment Cyber-technology/ security

This is an important problem because

This is a problem for

Most relevant Wikipedia site: (URL)

The most interesting/useful fact from (URL)

is

The most interesting/useful fact from (URL)

is

# Problem #2:

The problem is

Conrad Challenge Category (circle all that could apply):

Aerospace/aviation Health/nutrition Energy/environment Cyber-technology/ security

This is an important problem because

This is a problem for

Most relevant Wikipedia site: (URL)

The most interesting/useful fact from (URL)

is

The most interesting/useful fact from (URL)

is

# Problem #3:

The problem is

Conrad Challenge Category (circle all that could apply):

Aerospace/aviation Health/nutrition Energy/environment Cyber-technology/ security

This is an important problem because

This is a problem for

Most relevant Wikipedia site: (URL)

The most interesting/useful fact from (URL)

is

The most interesting/useful fact from (URL)

is