

Stage 1: Identify

Due May 11

1 sheet per problem/issue

Current Biotech Issue/problem that needs to be solved:

No access to clean water

Area(s) of Challenge: (food, health, etc)

Health

Who is impacted by the problem:

Third world countries

Previously attempted solutions and limitations of solutions

1. Wells, expensive and limited in number

2. Filtration systems, very expensive for such a large area

3. Water storage tanks, too large, not enough resources to create, and limited amount of water

Current Biotech Issue/problem that needs to be solved:

malnutrition

Area(s) of Challenge: (food, health, etc)

food

Who is impacted by the problem:

worldwide

Previously attempted solutions and limitations of solutions

1. Growing their own food, not enough water or too expensive
2. Shipping food through Red Cross, not cost efficient and does not help develop the area to be able to sustain itself
3. Devote funding to nutrition programs

Current Biotech Issue/problem that needs to be solved:

pollution

Area(s) of Challenge: (food, health, etc)

health and environment

Who is impacted by the problem:

people, animals, plants, air etc.

Previously attempted solutions and limitations of solutions

1. alternate energy, not efficient enough, very pricey

2. less coal burning, only helps finitely and we still need it for factories

3. banning wood fireplaces- only helps finitely

Current Biotech Issue/problem that needs to be solved:

agricultural production

Area(s) of Challenge: (food, health, etc)

food and health

Who is impacted by the problem:

people

Previously attempted solutions and limitations of solutions

1. GMO's-super weeds and ethical argument

2. Growing in unstable environments- not the right nutrients or setting to grow

3.creating drought resistant plants- rains come and destroy plants

Current Biotech Issue/problem that needs to be solved:

lack of medical care

Area(s) of Challenge: (food, health, etc)

health

Who is impacted by the problem:

people

Previously attempted solutions and limitations of solutions

1. sending shots and doctors to areas in need- not enough supplies

2. planned parenthood- controversial topic and has been attempted defunded

3. lack of education and structure in 3rd world countries

Current Biotech Issue/problem that needs to be solved:

deforestation

Area(s) of Challenge: (food, health, etc)

health and climate change

Who is impacted by the problem:

people and the environment

Previously attempted solutions and limitations of solutions

1.growing more trees-take a long time to grow back and needed,lack of water in certain areas

2. reserving areas to not be cut down in rainforest and other areas-limited amount they can preserve,costly

3.raising awareness- arrogance and some people do not care