

**BY: OKONKWO ALEXANDRA CHINONSO**  
**IF I COULD INVENT SOMETHING NEW**

Food is important to all humans. Everyday humans work hard *to* have enough and eat well everyone needs good food to survive and the current population explosion, the shift from rural to urban life and the craze for white collar jobs have not helped in the availability of food for our teeming population. If I could invent something that could help tackle this issue, I would invent a food replicator.

A food replicator is a device that can create food instantly. It not only creates food but multiplies other food materials lodged into it. It is a fascinating idea because the invention will mark the end of world hunger and impending starvation.

Materials needed for my invention include:

1. Organic compounds such carbon, nitrogen, oxygen and hydrogen.
2. Essential minerals and vitamins.
3. Materials that can manipulate molecules and grow cells and tissues and other cellular structures.
4. Food printers and edible Ink.
5. Sensors and Texture analyzers.
6. Advanced batteries for stable power connections.
7. A data base of different recipes.
8. Interfaces that will help the user to navigate the replicators easily.
9. Cooling and heating systems.
10. Storage compartment.
11. Dispensers.

The above materials when pieced together will synthesize the machine and process materials inputted into it seamlessly. Since all food is made up of basically the same elements, this will assist the food replicator to form molecules that will help to produce something similar or just like the food we consume.

The food replicator will reduce the time used in cooking and also improve convenience. People will no longer have to farm or starve to eat. My invention will also replicate raw grains, vegetables, proteins and other food items therefore helping in providing what people need, when they need it. I know there may be some difficulties in creating my invention and these are technological and natural challenges such as the complex nature

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of food. There are different types of food, hence their different aromas, textures and flavors; hence the more complex it will become to create a food replicator. Hence, I intend to work on my device, to understand the chemical compositions of these foods and their various physical qualities as to produce something similar or even better.

Another challenge I may encounter is the energy required to transform these foods. I know that in order to get the best, I need to give in a good energy transformation, so the energy to be used for my machine will be generated through wind vanes and solar.

Affordability of the machines may also be a challenge, but I will team up with various government and private bodies to ensure that this device is distributed to all the countries of the world, to eradicate hunger throughout the globe. I believe that my invention will help a lot of people who cannot afford a balanced diet, with the help of the government in financing my device into a large-scale production which will end the reign of hunger.

Name:           Alexanda Chinonso Okonkwo

Class:           JSS 2A

School:         St. Louis Secondary School, Kano.