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Problem Solving Assignment 1

My hobby is dyeing clothes with natural dyestuff.

Materials that used for dyeing:

- A white 100% cotton T-shirt
- Choose one natural dyestuff. Natural dyestuff includes food and plants, such as onion skins, avocado skins, black beans, blueberries, strawberries, and so on.
- 6 cups of water
- 2 teaspoons of vinegar or 2 teaspoons of salt
- A pot
- Some strings and rubber band

Dyeing processes:

Step 1: Preparing your dyestuff. Such as cutting the blueberries and strawberries, peeling the onion skins.

Step 2: Use strings or rubber bands to shape the T-shirt into the pattern you like.

Step 3: Put your dyestuff into a pot, fill the pot with 6 cups of water, add 2 teaspoons of vinegar or 2 teaspoons of salt into the dye water, and slow-simmering the dye water for an hour.

Step 4: Pour the dye water out and let it cool down.

Step 5: Put the T-shirt into the dye water, and soak it for 8 or more hours. I usually soaked it for 24 hours to get better results (deeper colors).

Step 6: Lastly, wash the T-shirt with soap.

Here are some clothes I recently dyed with natural dyestuffs:



I used yellow onion skins dyed a yellow color T-shirt.



I used avocado skins dyed for a peach color T-shirt.