**Science 20F - Bioaccumulation and Food Chains**

1. On the back of this paper, draw an example of a food chain with 5 trophic levels. Include arrows that show energy flow and label each trophic level.
2. Why is bioaccumulation so bad for top predators, but not for organisms lower on the food chain?
3. Define:
   1. Hydrophilic
   2. Hydrophobic
   3. Lipophilic
   4. Lipophobic
4. Why are hydrophobic toxins worse for organisms than lipophobic?
5. Explain why farmers might want to use pesticides that are soluble in water.