

Video: The Human Experiment

1: How much as **breast cancer rates** increased in both men and women since 1975?

Note: Polycystic Ovarian Syndrome is a disorder that causes multiple cysts on the ovaries. It makes it difficult to conceive.



2: How much has **Autism** increased in our society?

3: What are some of the **other health issues** that are thought to be connected to chemicals in our environment (name a few)?

4: **How many chemicals** are in the market in the U.S.? What kinds products are they in?

5: **How many pounds** of chemicals enter the environment daily?

6: Do companies have to prove the safety of chemicals before they use them?

7: **Who** is in charge of monitoring the chemical industry in the U.S.?

***Which law** is supposed to protect us from unsafe chemicals? Why is it hard to comply with this law?*

8: Where is **BPA (Bisphenol a)** used?

What does an **Endocrine Disruptor** do to your body?

How many Americans (tested) have BPA in their bloodstream?

9: If BPA is an **Endocrine Disruptor**, *explain* why it would be connected to PCOS? (Polycystic Ovarian Syndrome)

NOTE: IFV (In-Vitro Fertilization) is a process that implants embryos that have been fertilized in the laboratory into women in hopes to become pregnant.

10: How does the chemical industry get their dangerous products into the market? Why do people use things that they know are bad?

11: How does (did) **LEAD** get into the environment (into children)?

12: What are the health problems associated with **PVC**? Where do you find PVC's?

13: What is the **FOUR DOG DEFENSE**?

1:

2:

3:

4:

14: What is the **Children's Safe Product Act**?

15: Brominated Flame Retardants (BFR's)

What does it mean that they are **lipophilic**?

What does it mean that they are **persistent** in the environment? What health issues do they cause?

In what products do you find BFR's? Why are they so dangerous?

16: How does marketing affect the safety bills? Who is paying for this marketing? Explain how the lobbyist can be deceiving.

17: What did **Johnsons & Johnsons** baby shampoo contain?

What does it mean that something is a **carcinogen**?

18: What safe products can be used as a good cleaner in exchange of toxic chemicals?

19: What is the concept of **Environmental Justice**?

20: What is "**Teens Turning Green**"? What is the focus of this group? (**Check it out!**)

21: What are the problems associated with **Paraben** in cosmetics?

22: What is the problem with **Secret Deodorant & Abercrombie & Fitch**?

23: How many women are diagnosed with breast cancer?

24: What are the problems with **Phthalates DEHP**?

25: What is the “**burden of proof**” in the pharmaceutical industry?

26: How many protection bills did California pass?

27: What is **REACH**?

28: What is the “**body burden**” of chemicals?

29: What is “**green chemistry**”? How many universities have programs in green chemistry?

30: How big is the green chemistry industry (as of 2011)?

31: How much PVC is used each year in the U.S.? What is the biggest industry of PVC?

32: How can consumers “vote with their dollar”? **Explain.**

Assignment:

List all of the products you use in a day below:

Investigate: Look at the (main) ingredient listed in your products. Investigate the safety of those ingredients.

Reflect: Are you using any products that are deemed “unsafe”? If so, are there safer alternatives?