

Common Non-Communicable Diseases

25 points

Key Vocabulary - write the proper term in the blank after the definition (be sure to spell the term correctly).

1. An inflammatory condition that causes the airways in the lungs to swell, making breathing difficult. **Asthma**
2. A disease in which cartilage breaks down in the joints, making movement difficult and sometimes painful **Arthritis**
3. Chemicals that stimulate mucus & fluid production in an affected area **Histamines**
4. A chronic disease that affects the way body cells convert food into energy **Diabetes**
5. A disease characterized by debilitating destruction of the joints due to inflammation **Rheumatoid Arthritis**
6. Any physical or mental impairment that limits normal activities such as sight, speech, hearing, or movement **Disability**
7. A disease in which the retina breaks down **Macular Degeneration**
8. A disease of the optic nerve of the eye **Glaucoma**
9. A clouding over the lens of the eye **Cataracts**
10. Laws requiring all public places to be wheelchair accessible **Americans with Disabilities Act**
11. Chromosomal disorder caused by a 3rd copy of chromosome 21 **Down Syndrome**
12. X-linked recessive disorder affecting the blood's ability to form clots **Hemophilia**
13. Recessive chronic disorder that affects the secretory glands **Cystic Fibrosis**
14. X-linked dominant disorder that causes a range of developmental problems including learning disabilities & cognitive impairment **Fragile X Syndrome**
15. Autosomal dominant disorder which causes nerve cells in the brain & CNS to degenerate **Huntington's Disease**
16. X-linked recessive genetic disorder characterized by progressive muscle degeneration & weakness **Duchenne Muscular Dystrophy**

Key Concepts

Compare & Contrast Type 1 & Type 2 Diabetes

Type 1 – Body stimulates an immune response, destroying the insulin producing cells of the pancreas; glucose builds up in the blood (causing high blood sugar and does not go into the cells)

Type 2 – Body is unable to make enough insulin or use insulin properly

What are three tests that can be done for allergies?

- Blood test
- Food elimination test
- Skin test

Name 2 ways one can manage their asthma.

- Monitor the Condition
- Manage the environment

What is the #1 cause of disability in the US?

Arthritis

What is the importance of the *Human Genome Project*?

One of the potential benefits is in the field of molecular medicine. The benefits in this field could include better diagnosis of disease, early detection of certain diseases, and gene therapy and control systems for drugs.