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Identify and explain 5 primary immunodeficiency disorders.

1. T cell disorders

- Severe combined immunodeficiency

- Wiskott Aldrich syndrome ( Xp11)

- Ataxia telengectiasia ( 11q)

- Digeorge anomaly

- Chromosomal breakage syndromes

2. B cell defects

- XL agammaglobulinemia

- Common variable immunodeficiency

- Selective IgA deficiency

- AR agammaglobulinemia

- Hyper- IgM syndromes- XL

3. Phagocyte disorders

- Chronic granulomatous disease

- Leukocyte adhesion defect

- Chediac higashi syndrome

- Myeloperoxidase deficiency

- Cyclic neutropenia ( elastase defect)

4. Complement disorders

.C1q deficiency

- Factor I deficiency

- Factor H deficiency

- Factor D deficiency

- Properdin deficiency

Identify and explain 2 secondary immunodeficiency disorders

1. Cancer: It is the uncontrolled growth of abnormal cells anywhere in a body . There are over 200 types of cancer , anything that may cause a normal body cell to develop abnormally potentially can cause cancer.

2. HIV\ AIDS : HIV is a virus that damages the immune system. The immune system helps the body fight off infections. Untreated HIV infects and kills CD4 cells, which are a type of immune cell called T cells. Over time, as HIV kills more CD4 cells, the body is more likely to get various types of infections and cancers.