

**Name:**

**Date:**

**Disasters in Canada: Hurricane Hazel and the Tainted Blood Scandal: I Can Statements**

1. I can list and provide details about Hurricane Hazel including: where and when it struck, what path it took, why it was so destructive, and how it affected Toronto residents and infrastructure.
2. I can describe what went wrong with Canada's blood supply in the late 1970s, 1980s, and the early 1990s.
3. I can understand the findings of the Krever Inquiry.
4. I can evaluate Toronto residents' level of preparedness to deal with Hurricane Hazel and the effectiveness of rescue operations.
5. I can assess how lessons learned from Hurricane Hazel and the tainted blood scandal transformed Toronto's approach to flood control and floodplain management and Canada's national blood supply.
6. I can explain how people can become infected with human immunodeficiency virus and hepatitis C and the effects of these diseases on the human body.
7. I can describe the response in the aftermath of Hurricane Hazel including how: police, firefighters and citizens contributed to rescue efforts, relief organizations and the militia contributed to recovery efforts, and businesses and citizens contributed to relief funding.
8. I can define the following key terms:
  - **Acquired Immune Deficiency Syndrome:** The late stage of HIV infection that occurs when the body's immune system is badly damaged because of the virus. People with this potentially life-threatening condition get an increasing number of severe illnesses.
  - **Armour Pharmaceutical Co.:** A U.S.-based company that produced and sold blood products called Factorate for the treatment of haemophilia to help blood clot. Their process of heating the blood to kill the AIDS virus was inadequate.
  - **Canadian Blood Services:** This federal agency was established in 1998 to replace The Canadian Red Cross and take control Canada's blood donation system (except in Quebec, where Héma Québec was established.)
  - **Canadian Red Cross:** Organization that was involved in the collection of voluntary blood donations from 1946 until 1997-1998. It failed to adequately test and screen donors for blood viruses such as HIV and hepatitis C.
  - **Contaminate:** To make impure or unfit for use by adding something harmful or unpleasant.
  - **Donor:** A person who donates something.
  - **Drainage Basin:** An area of land where all flowing surface water converges to a single point, such as a river mouth, or flows into another body of water, such as a lake or ocean.

- Erosion: The gradual destruction and removal of rock or soil in a particular area by rivers, the sea, or the weather.
- Flood Control: The protection of land from floods, as by soil conservation, reforestation, the construction of dams, reservoirs, river embankments, etc.
- Flood Plain: Low flat land along a stream or river that may flood.
- Hemophiliac: A person with an inherited blood defect that is sex-linked, is found almost always in males, and is marked by delayed clotting of blood and a resulting difficulty in stopping bleeding.
- Hepatitis C: A virus that causes liver inflammation, sometimes leading to serious liver damage, usually transmitted by infected blood (such as by injection of an illicit drug, blood transfusion, or exposure to blood or blood products.)
- Human Immunodeficiency Virus: A virus that damages the cells in your immune system and weakens your ability to fight everyday infections and disease. It is transmitted by sexual contact, contact with infected blood or by injection of an illicit drug.
- Humber River: A river in Southern Ontario, Canada. It is in the Great Lakes Basin, is a tributary of Lake Ontario and is one of two major rivers on either side of the city of Toronto.
- Hurricane: A cyclone formed in the tropics with winds of 74 miles (119 kilometers) per hour or greater that is usually accompanied by rain, thunder, and lightning.
- Krever Inquiry: A public investigation into the tainted blood scandal, examining how the Canadian Red Cross and the provincial and federal governments allowed contaminated blood into the healthcare system.
- Meteorologist: An individual with specialized education who studies processes in the earth's atmosphere that cause particular weather conditions, especially in order to predict the weather.
- Plasma: The clear, yellowish, fluid part of the blood that carries the blood cells. The proteins that form blood clots are in plasma.
- Raymore Drive: A mostly residential street in the Weston neighbourhood of Toronto in the Canadian province of Ontario. It runs next to the Humber River. On October 15, 1954, the area was severely affected by Hurricane Hazel.
- Saturate: To soak or fill with something to the point where no more can be absorbed or dissolved.
- Scandal: An action or event regarded as morally or legally wrong and causing general public outrage.
- Submerge: To sink below the surface of water or some other liquid.

- Tidal Surge: An unusual, often destructive rise in sea level above normal high-tide level in a coastal area, caused by a combination of low atmospheric pressure and strong onshore winds during a storm.
- Transfusion: An act of transferring donated blood, blood products, or other fluid into the circulatory system of a person or animal.