Samples of biological hazards

Biological hazards refer to biological substances that can pose a threat to human health or the environment. Here are some examples of biological hazards:

- 1. Pathogenic Microorganisms: Bacteria, viruses, fungi, and other microorganisms that can cause diseases in humans or animals. Examples include Escherichia coli (E. coli), Salmonella, HIV, Influenza virus, and Tuberculosis bacteria.¹⁾
- Toxins and Venoms: Substances produced by certain organisms that can cause harm or illness. Examples include snake venom, botulinum toxin produced by Clostridium botulinum bacteria, and mycotoxins produced by molds.²⁾
- 3. Biological Waste: Waste materials from biological sources, such as blood, bodily fluids, tissues, or laboratory specimens, which may contain infectious agents or harmful substances.³⁾
- 4. Allergens: Substances that can trigger allergic reactions in susceptible individuals. Examples include pollen, dust mites, certain foods (e.g., peanuts, shellfish), and animal dander.⁴⁾
- 5. Biological Agents Used in Biowarfare or Bioterrorism: Certain pathogens or toxins that can be intentionally used to cause harm or terror, such as anthrax, smallpox, or ricin toxin.⁵⁾
- 6. Zoonotic Diseases: Diseases that can be transmitted between animals and humans. Examples include rabies, avian influenza (bird flu), and Lyme disease.⁶⁾
- 7. Biological Contaminants in Food: Microorganisms or toxins that can contaminate food and cause foodborne illnesses. Examples include Salmonella, Campylobacter, and Staphylococcus aureus.⁷⁾
- 1)

https://www.who.int/health-topics/

2)

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3)

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