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# Classification of accidents and disasters

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# Concept of emergency

- An emergency situation is any phenomenon that leads the system to destabilization with negative consequences for it.

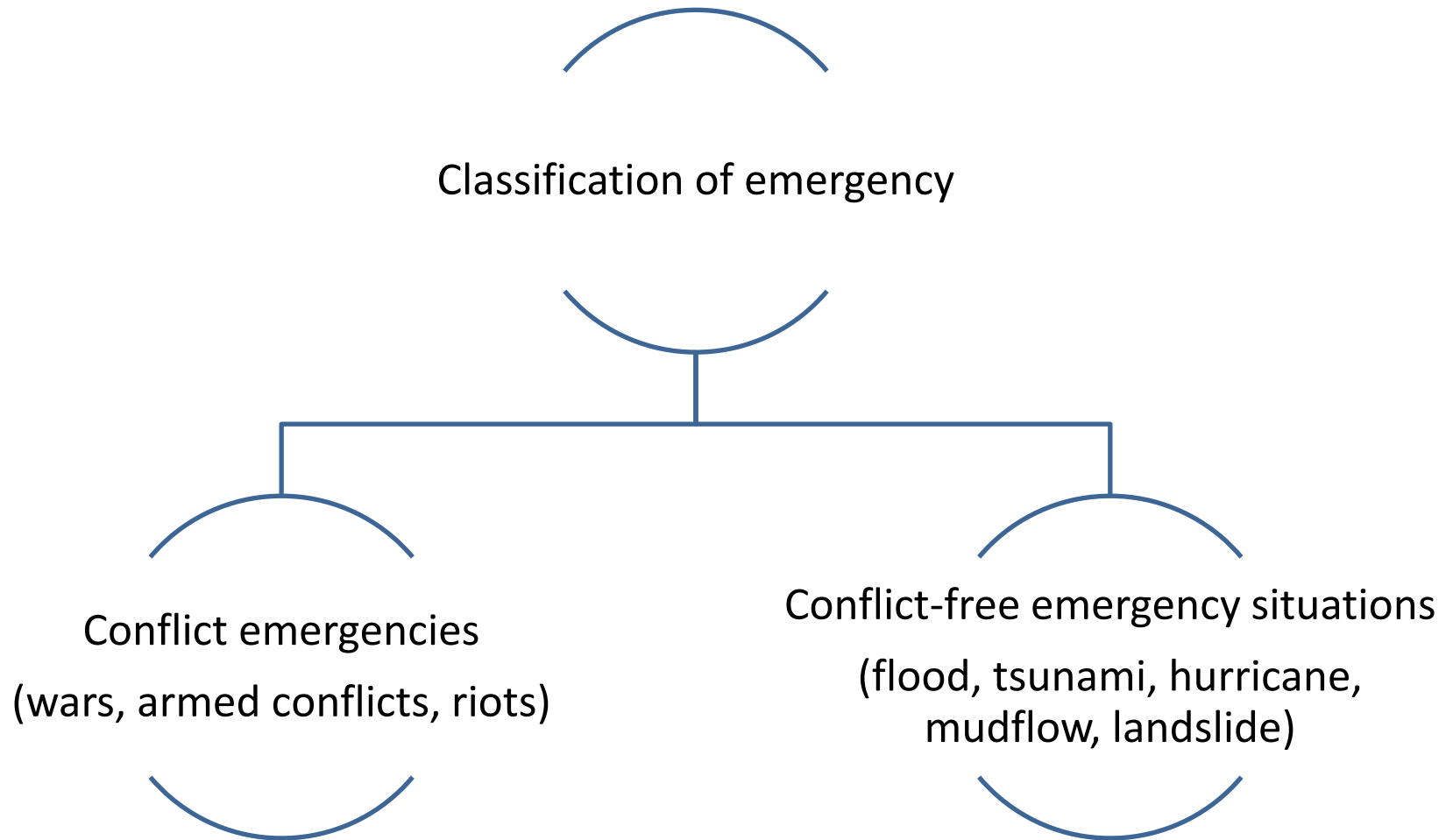
# Classification of accidents and disasters by speed

- slow (moderate in speed) emergencies (for example, drought, flooding, air pollution due to breakage of cleaning filters, water pollution)
- the rapid speed of emergency (for example, a fire in a wooden building)
- sudden emergencies (for example, gas explosion, car collision, earthquake)

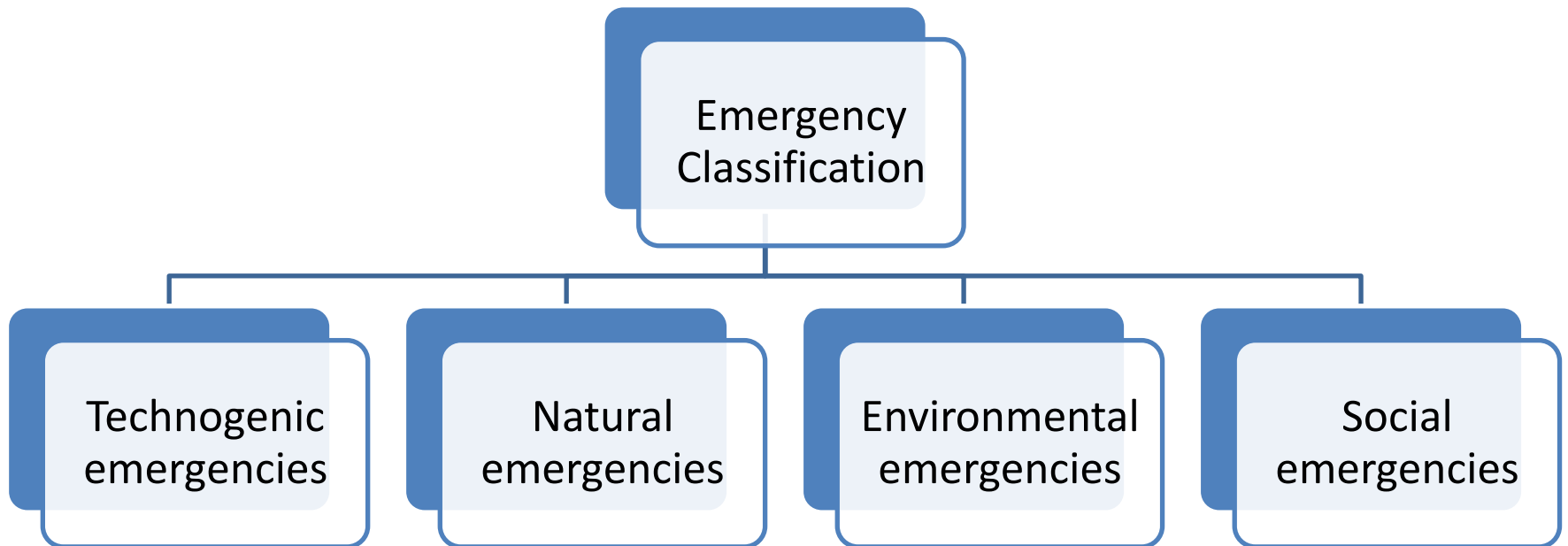
# Classification of accidents and disasters by scale

- local (for example, a building fire)
- at the regional level (for example, extensive flooding in the region)
- at country level (for example, forest fires in vast areas)
- cross-border (for example, forest fires on the territory of two neighbouring States)

# Classification of emergencies according to the presence of conflict



# Classification of accidents and disasters by reason



# Technogenic emergencies

- accidents and disasters on the air transport
- accidents and accidents on water transport
- accidents and disasters on the railway transport
- accidents and disasters in road transport
- accidents and disasters in pipeline transport
- accidents with emission of chemically dangerous substances
- accidents with emission of radioactive materials and substances
- accidents with emission of chemically dangerous substances
- biological hazardous substances

# Natural emergencies

- geophysical hazards (associated with endogenous (internal) geological processes; for example, earthquake, volcanic eruption)
- hazards associated with exogenous (external) geological processes (for example, landslides, mudslides, subsidence of karst rocks, dust and sandstorms)
- hydrological hazards (for example, rain floods, spring floods associated with the melting of snow)
- meteorological hazards (strong wind, hurricane, storm, tornado, typhoon, steady low temperatures, steady heat, heavy snow, rain)
- epidemics, pandemics (for example flu epidemic)
- epizootics, epiphytotics (for example, bird flu)



# Environmental emergencies

- emergency situations associated with changes in the composition of the atmosphere
- emergency situations associated with changes in the qualitative and quantitative composition of the hydrosphere
- emergency situations associated with changes in the qualitative composition of the soil, desertification of territories
- emergency situations associated with changes in the qualitative and quantitative composition of biological species and populations of plants and animals

# Social emergencies

- emergency situations related to the mental impact on the person (blackmail, fraud, theft, etc.)
- emergency situations related to physical violence (wars, armed conflicts, riots, robbery, banditry)
- emergency situations associated with the use of substances that adversely affect the mental and physical condition of the human body (drug addiction, alcoholism)
- emergency situations associated with mass diseases (AIDS, sexually transmitted diseases, infectious diseases, etc.)

# Questions and tasks:

1

- Read the text of the presentation

2

- Outline the content of the presentation in your notebook (use color or graphic highlighting of the main headings)

3

- Be prepared to verbally answer the questions:
- What types of classifications of emergencies are there?
- Give examples of different types of emergencies?

# Recommended literature

- Безопасность жизнедеятельности : учебник / под ред. Е.И. Холостовой, О.Г. Прохоровой. - Москва : Издательско-торговая корпорация «Дашков и К°», 2017. - 453 с. : табл., ил. - (Учебные издания для бакалавров). - Библиогр. в кн. - ISBN 978-5-394-02026-1 ; То же [Электронный ресурс]. - URL: <http://biblioclub.ru/index.php?page=book&id=450720> (20.06.2019).