

A dramatic scene of firefighters in full protective gear, including helmets and oxygen tanks, working to extinguish a massive fire. They are positioned on the left, directing high-pressure streams of water from their hoses towards the intense flames on the right. The fire is bright orange and yellow, filling the right side of the frame. The overall atmosphere is one of intense action and emergency response.

**Fire**

# FIRE

*is an uncontrolled flame*

*leading to the material*

*damage, harm to citizens'*

*life and health, interests of*

*the society and the State*



# «FIRE TRIANGLE»

**In order a fire to burst, three conditions are required:**

- flammable substances and materials;
- a source of fire — open fire, chemical reaction, electrical power;
- oxygen, e.g. in the air.

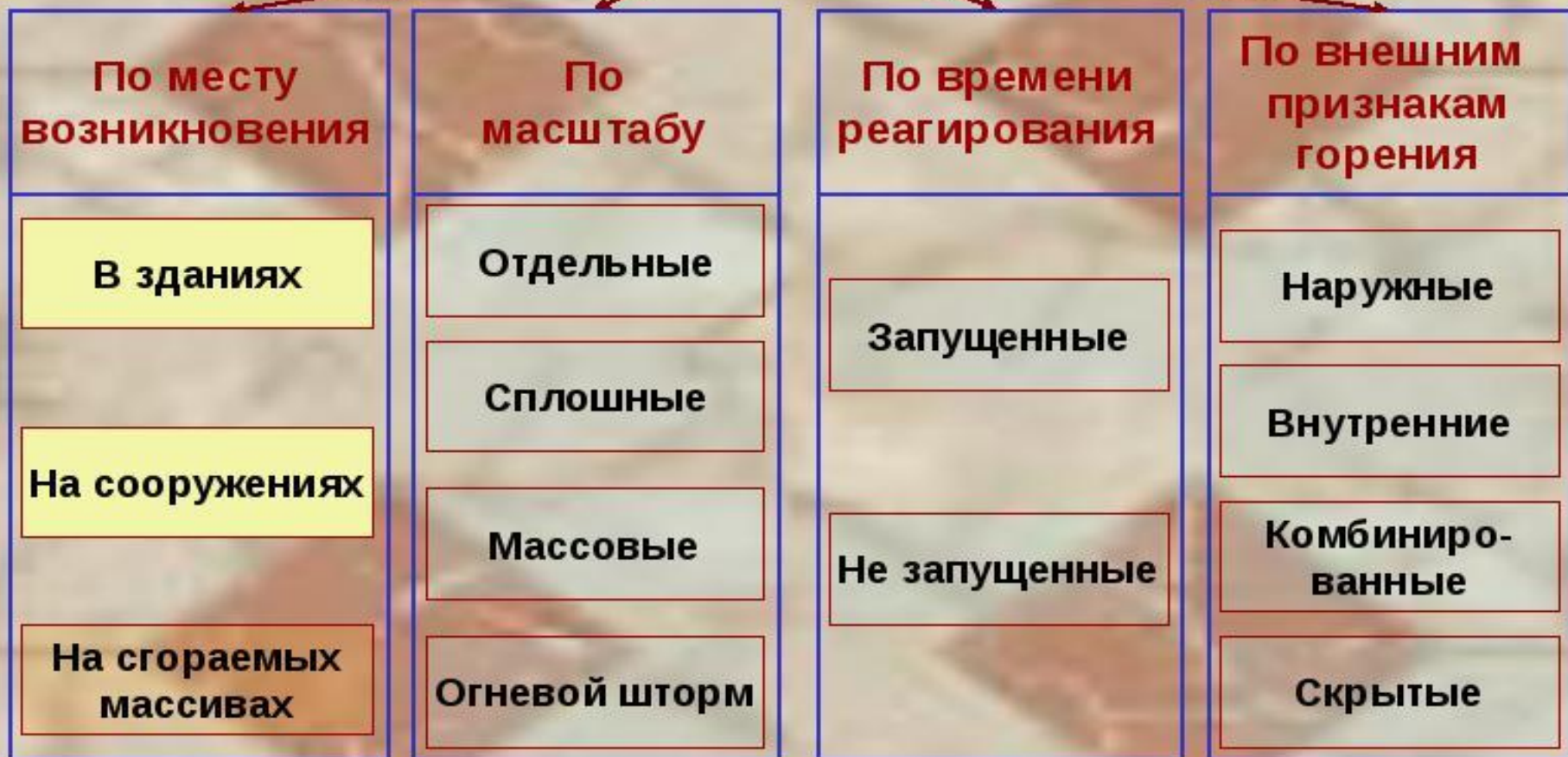
**In order for a fire to occur, one more condition is necessary: spreading paths — flammable substances that contribute to spreading the fire to another objects**



## **FIRES ARE CLASSIFIED AS:**

- **INDUSTRIAL** (fires in plants, factories or stocks)
  - **DOMESTIC FIRES** (in block apartments, hostels and public places)
  - **NATURAL FIRES** (forests, grounds, swamp-mucks)
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# КЛАССИФИКАЦИЯ ПОЖАРОВ



# FIRE STAGES

1. **Initial** – the fire begins with a small flame, it is small, the temperature is low, the flame height is low;
  2. **Extending** – the fire is characterized by an increase in the burning area, an increase in the temperature and height of the fire.
  3. **Extended** - the area of the fire, the temperature and height of the flame, the speed of burning have a maximum and constant value. At this stage of a fire, only professional firefighters with special equipment can handle the fire.
  4. **Fading** - the stage begins from the moment of reducing the speed of destruction of combustible materials to a complete fire extinction.
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# RISK FACTORS



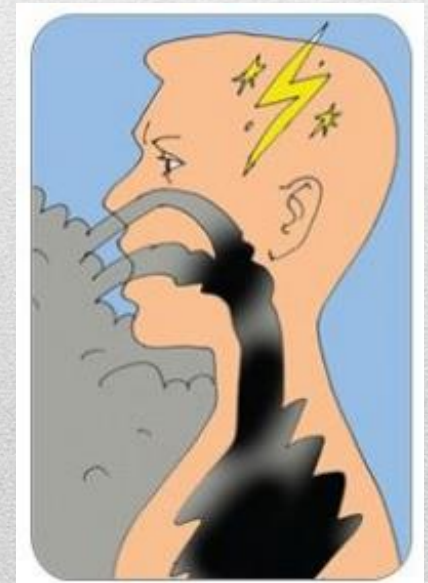
**High temperature** may cause burns of the skin and respiratory passages.

The hot air damages the respiratory tract, lungs, eyes and skin.

It occurs not only in the focus of the fire, but in the nearby places.

Injuries are dangerous to life.

**Combustion wastes** including carbon monoxide cause poisoning of the organism. When burning synthetic fabrics, toxic substances are released; burning wool releases highly dangerous hydrogen cyanide; heavy and multi-layered cotton (mattresses and pillows) are capable of long-term smoldering, in which large amounts of carbon monoxide occur. Harmful substances in the form of small particles are spread with smoke. Death may occur due to intoxication.



# PRIMARY FIRE EXTINGUISHING MEANS

## 1. FIRE EXTINGUISHERS



## 2. FIRE HYDRANT



## 3. FIRE SAFETY BOARD



**Every sixth fire in the Republic of Belarus is caused by the misuse of the electrical appliances!!!**



# Causes of domestic fires

- Careless fire handling:
  - ✓ *leaving un-extinguished cigarette stubs and matches;*
  - ✓ *smocking in improper places;*
  - ✓ *using a kitchen cooker to heat flammable household chemicals;*
  - ✓ *careless storing of flammable liquids;*
  - ✓ *using open fire for lightning*



- **Undue use of stoves and fireplaces**
- **Faulty electrical appliances and charging elements and their undue use**
- **Use of fireworks**
- **Children's mischiefs**



# DOMESTIC FIRE SAFETY RULES

## YOU ARE NOT ALLOWED:

- ✓ To smoke in the living rooms and shared lodgments;
- ✓ To store and use fireworks, easily flammable liquids, explosives, gas bombs/bottles and other flammable materials;
- ✓ To block doors, corridors, exits and stairs with furniture or equipment;
- ✓ To make up fires; burn wastes indoors;
- ✓ To use faulty electrical plugs, connectors and sockets



- ✓ To wrap electrical bulbs and lamps with paper, fabrics and other flammable materials;
- ✓ To leave working electric appliances and devices unattended;
- ✓ To connect two or more devices to one power socket;
- ✓ To use faulty electrical appliances and devices;
- ✓ To leave a mobile phone charging unit connected to the power point after the phone battery has been charged.

**It must be pulled out from the socket!**



## **SIGNS WARNING ABOUT FAULTY APPLIANCES:**

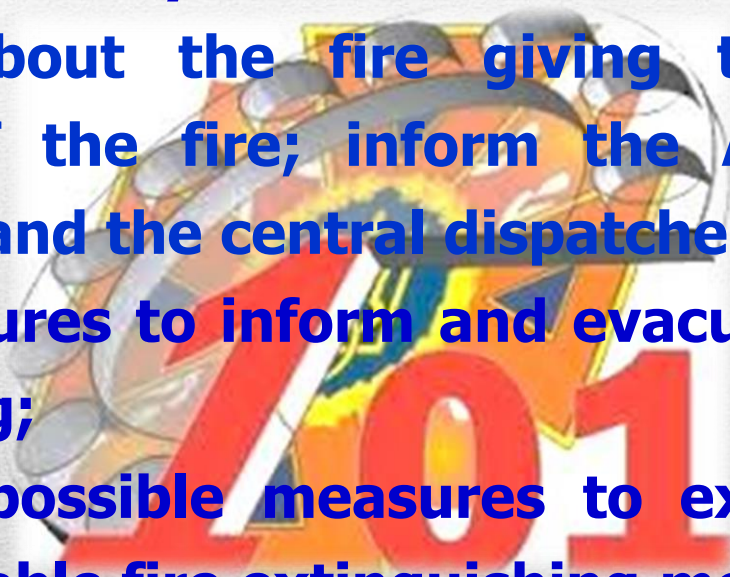
- ! hot electrical power sockets and plugs;**
- ! obvious overheating of electrical wire while an electrical appliance working;**
- ! sparking;**
- ! soot on electrical plugs and sockets;**
- ! crackling sounds in electrical sockets;**
- ! smell of burning plastics or rubber;**
- ! darkening of isolating coat of electrical wires.**



**If an appliance has burst into flame, first of all cut off current and cover it with wet fabrics (blanket or sheet).**

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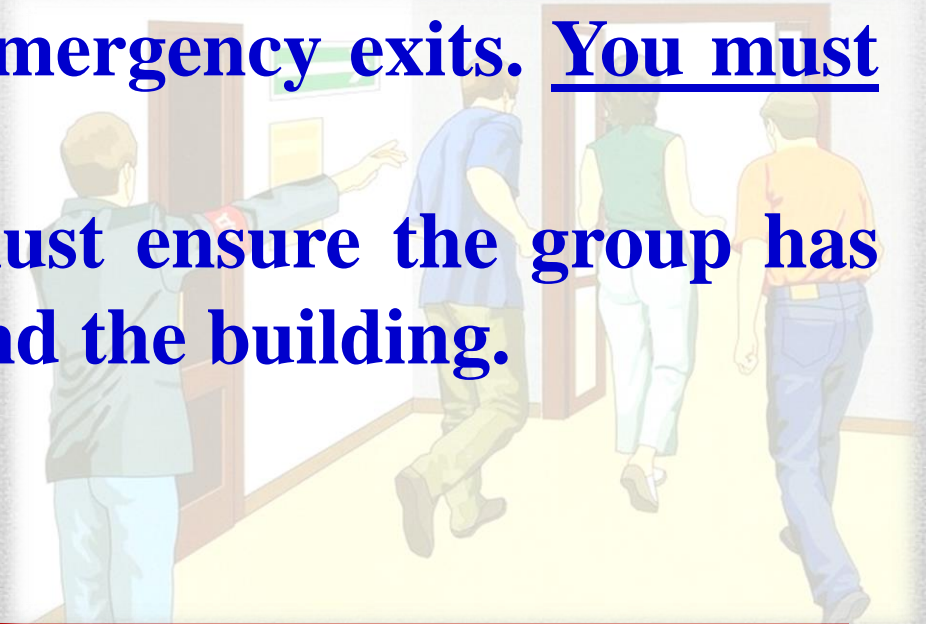
## **A MEMBER OF UNIVERSITY STAFF WHO HAS NOTICED A FIRE MUST:**

- ➔ **Dial immediately 101 or 112 and inform these services about the fire giving the address and location of the fire; inform the Administration of University and the central dispatcher post;**
  - ➔ **Take measures to inform and evacuate people inside the building;**
  - ➔ **Take any possible measures to extinguish the fire using available fire extinguishing means.**
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## ON BEING INFORMED ABOUT THE FIRE:

### STUDENTS IN THE CLASSROOMS MUST:

- ➡ Leave the classroom and the building quickly, in an orderly fashion under the teacher's guidance according to the fire escape map using the main or emergency exits. You must not use the lift!
- ➡ A group monitor must ensure the group has left the classroom and the building.



## HOSTEL RESIDENTS MUST:

- Dial immediately **101 or 112** and inform these services about the fire giving the address and location of the fire; inform the central dispatcher post and a hostel watch;
- Take measures to inform and evacuate people inside the building;
- Take any possible measures to extinguish the fire using available fire extinguishing means;
- On evacuation, take your documents and values (if it is possible);
- Quickly leave the building in an orderly fashion according to the fire escape map using the main or emergency exits. You must not use the lift!
- A block monitor must ensure the residents have left the rooms and the building.



## **RESPONSIBILITIES FOR THE FIRE SAFETY :**

- **HEAD OF THE HOSTEL ACCOMMODATION – RESIDENTIAL AND NON-RESIDENTIAL PREMISES;**
- **RESIDENTS – ROOMS OR BLOCKS.**

**Everyone living in a hostel accommodation must know and comply with fire safety requirements; must not take actions that could lead to a fire in the living rooms, common rooms, other rooms of the hostel and in the territory.**

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# **RESPONSIBILITY FOR THE SAFETY RULES VIOLATION**

## **LEGAL CODE OF THE REPUBLIC OF BELARUS «ON VIOLATION OF ADMINISTRATIVE REGULATIONS»**

### **Section 23.56**

**1. The violation of legislation on fire safety, including requirements of technical regulatory legal acts of fire regulation and standardization system mandatory for compliance –**

**leads to a warning or a fine in the amount of up to thirty basic values; a legal entity gets a warning or pays a fine in the amount of up to two hundred basic values.**

**2. The violation of fire safety regulations by a person responsible for their implementation, which resulted in a fire, -**

**leads to a fine of up to fifty basic values.**

# THE PENAL CODE OF THE REPUBLIC OF BELARUS

## Section 304. Violation of fire safety regulations

1. The violation of fire safety regulations by a person responsible for their implementation which resulted in a fire, committed within a year after an administrative penalty for the above-mentioned violation –

*shall be punished with a fine or correctional labor for up to one year, or an arrest with deprivation of the right to occupy certain posts or be engaged in certain activities or without deprivation.*

2. The violation of fire safety regulations by a person responsible for their implementation which resulted in a reckless fire with severe or mild injuries to people or large scale damage to the property –

*shall be punished with a fine or correctional labor for up to two years, or an arrest, restriction of liberty for up to three years, or imprisonment for the same period with deprivation of the right to occupy certain posts or be engaged in certain activities or without deprivation.*