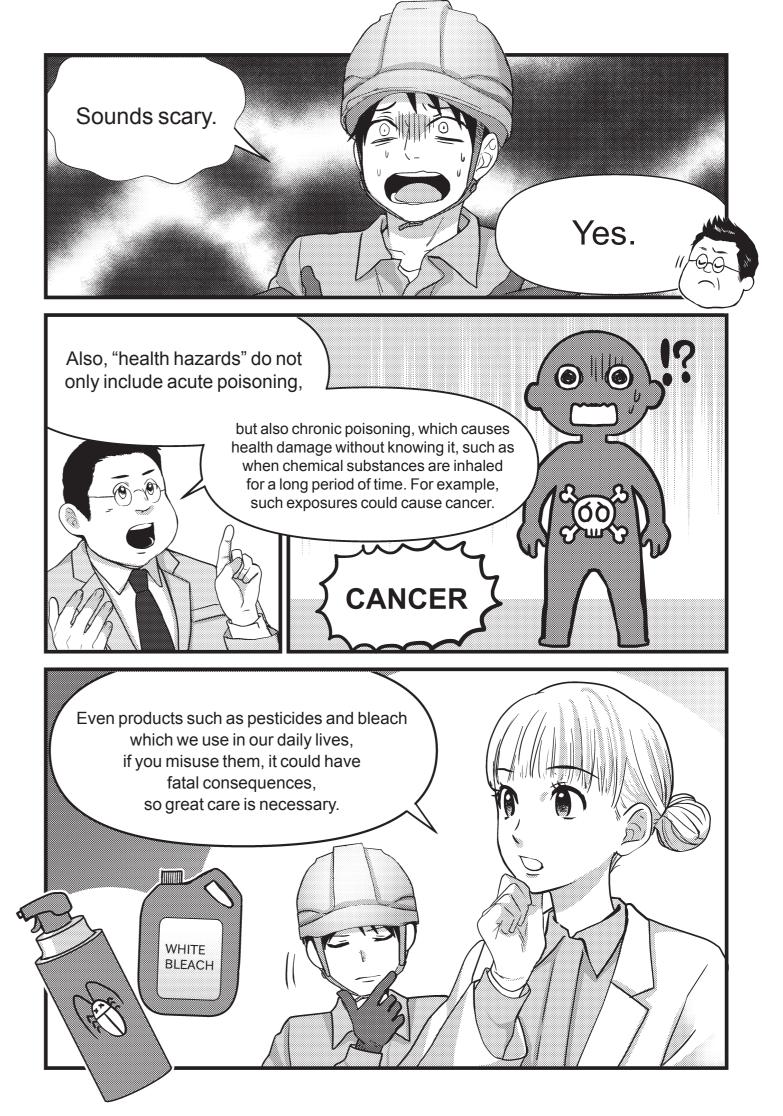


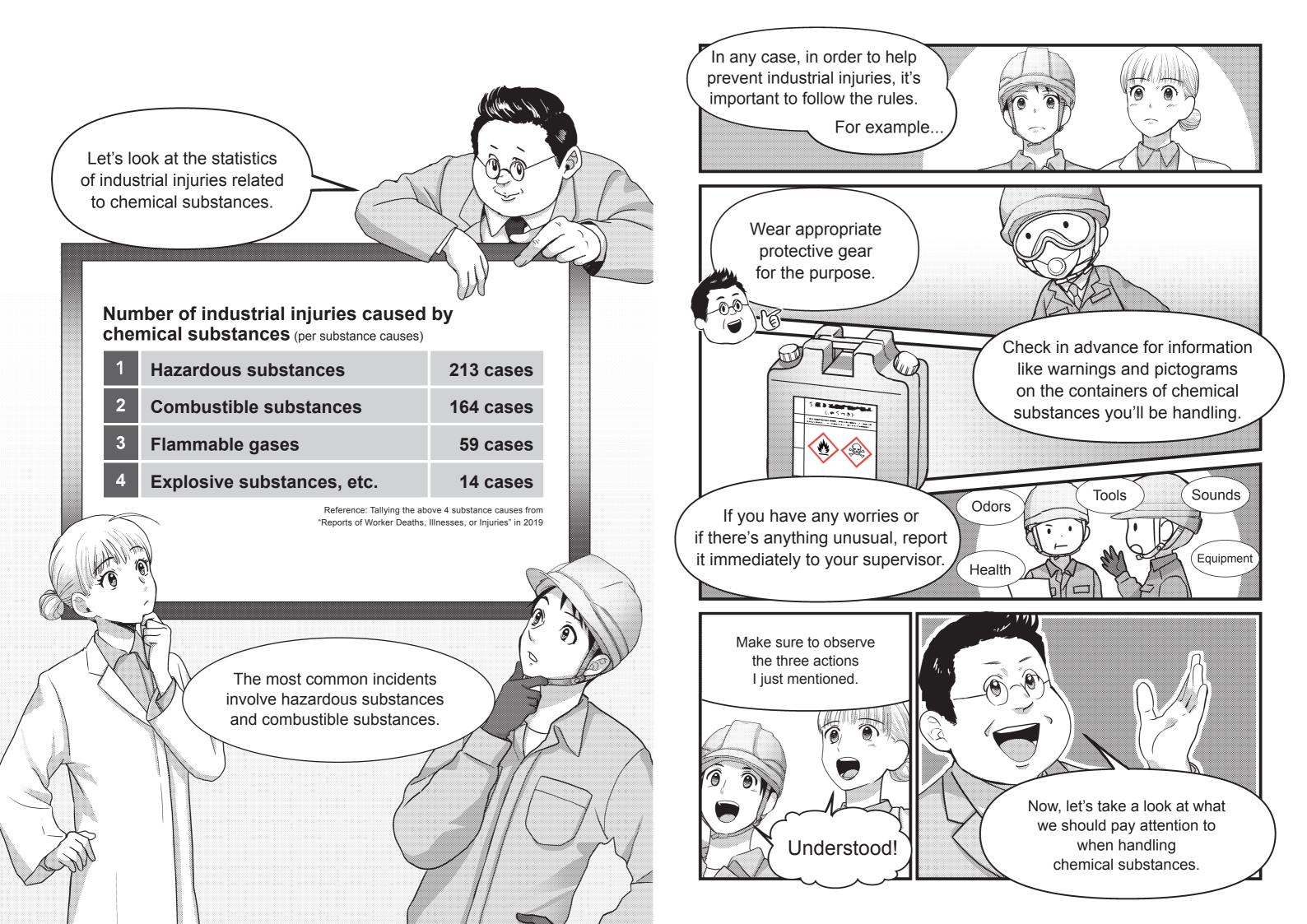
This audiovisual material has been created for the purpose of learning the basic knowledge necessary to observe safety precautions for physical hazards and health hazards of chemical substances, as well as points to keep in mind when working, and emergency measures.

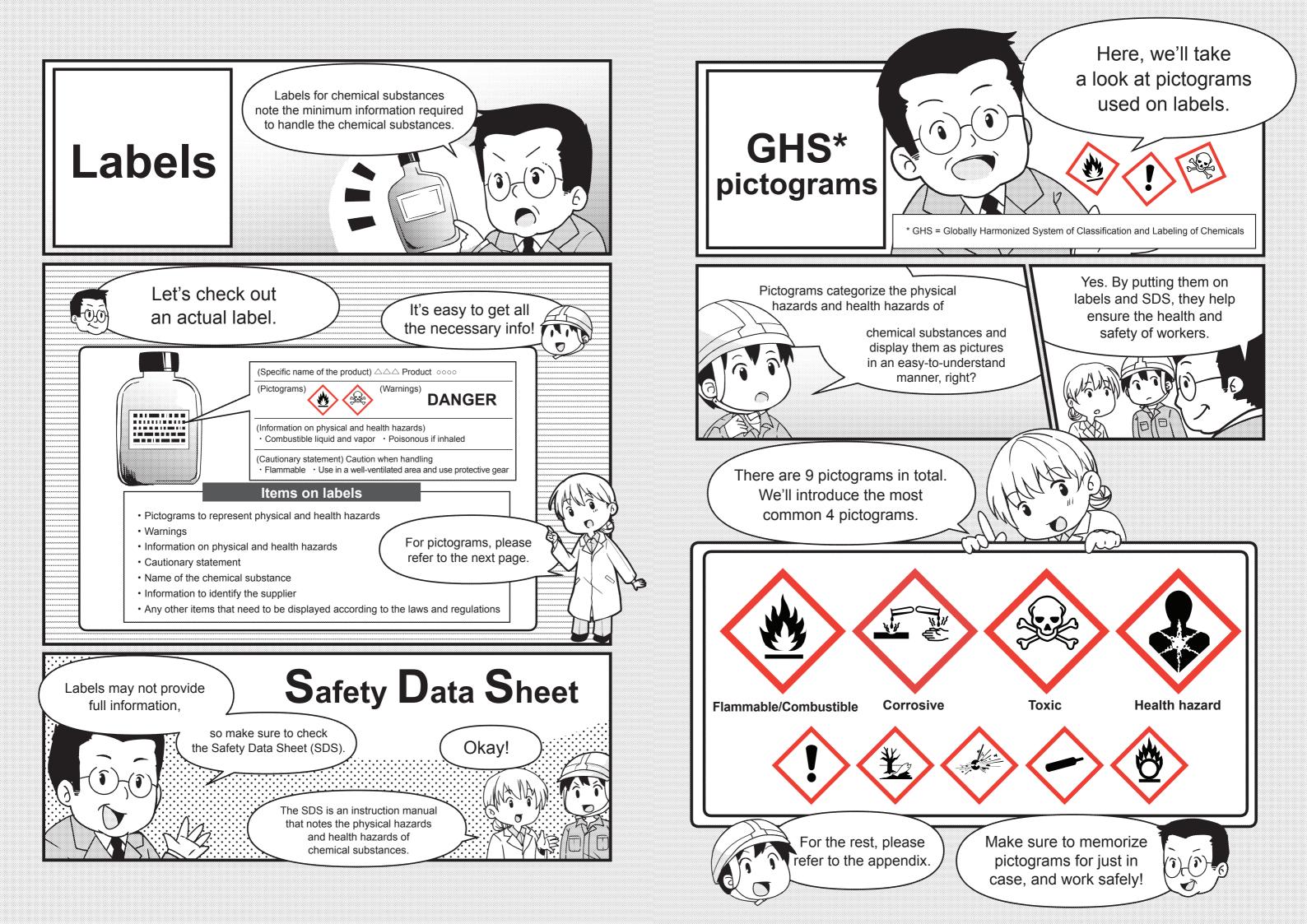


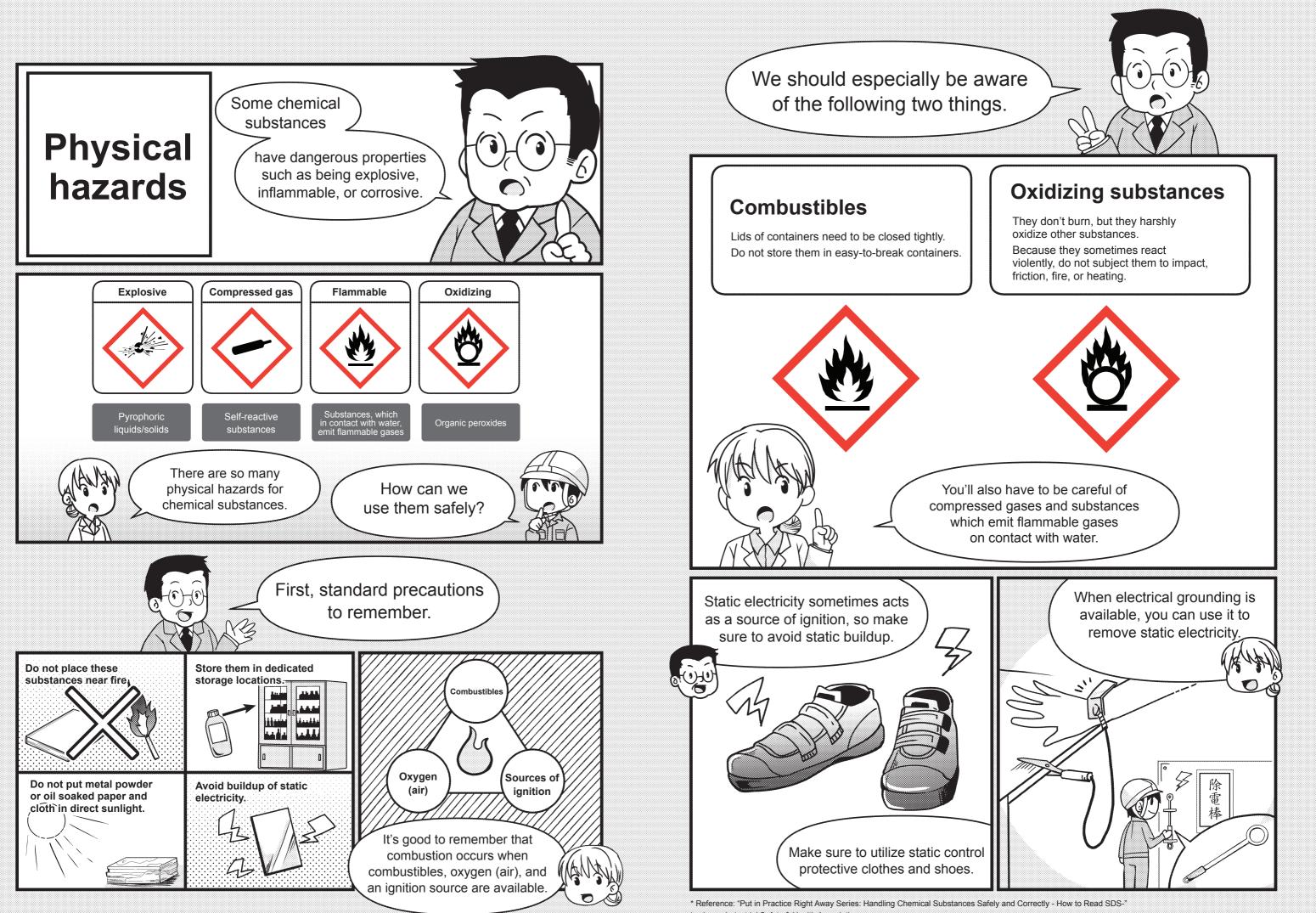




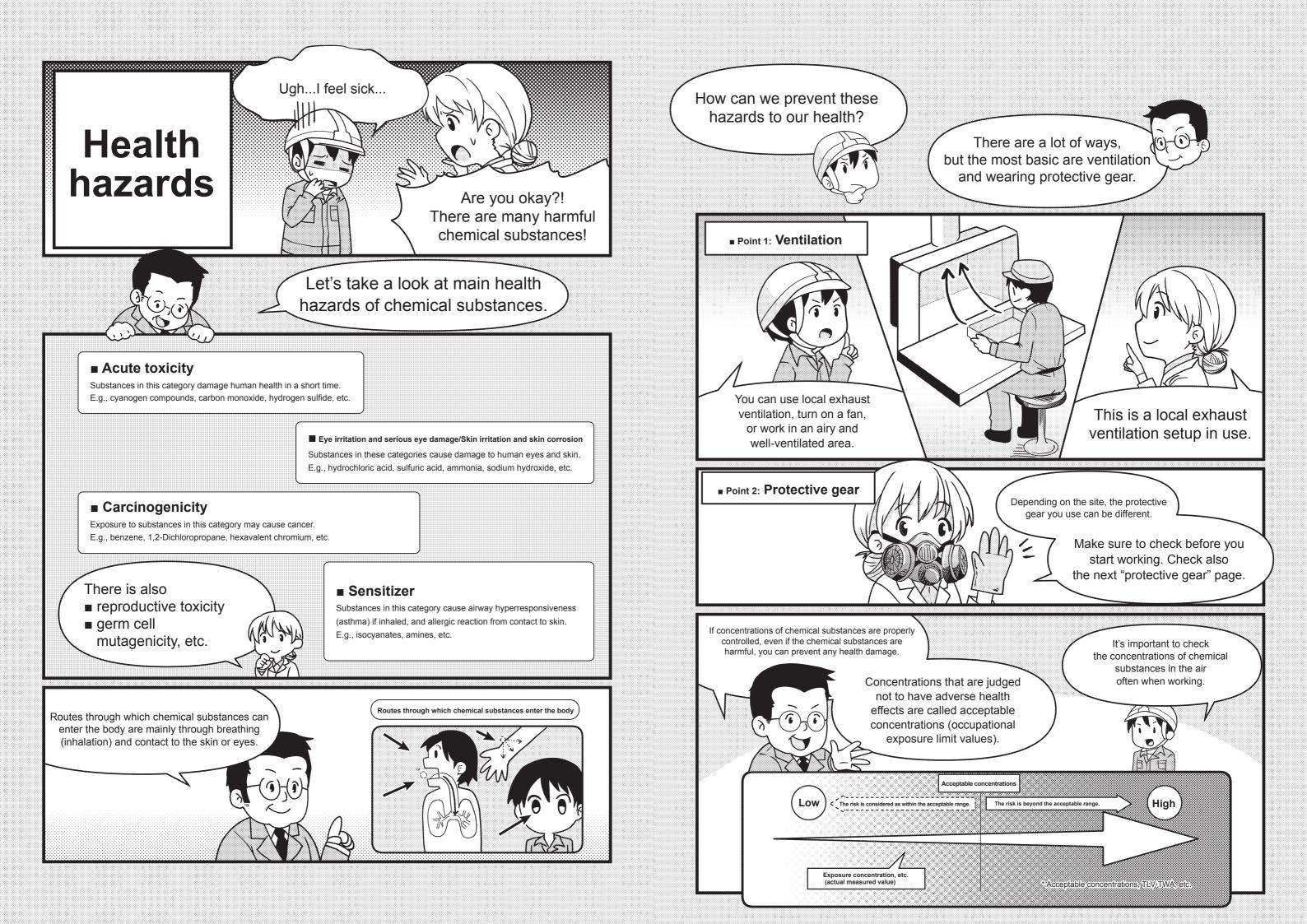


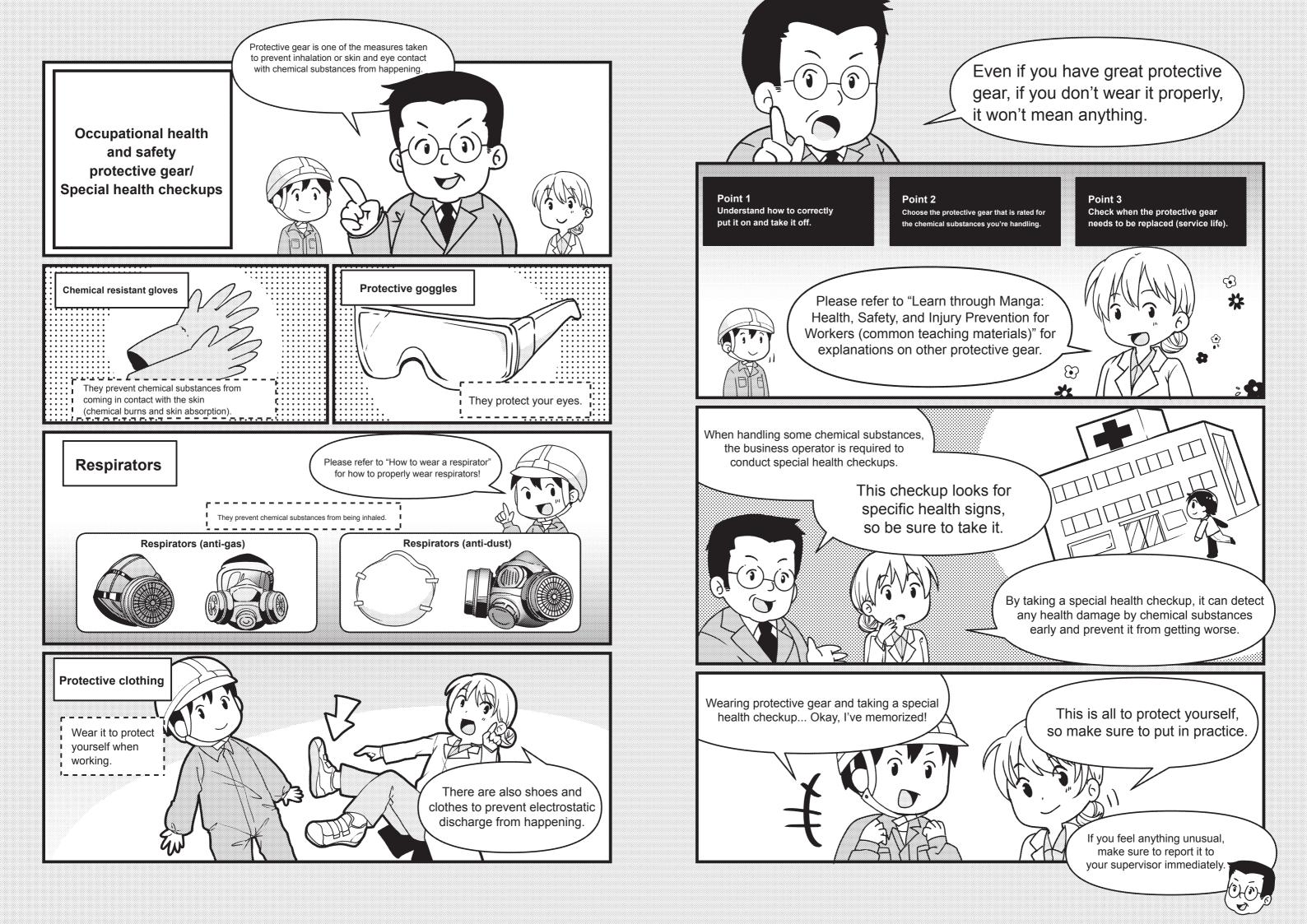




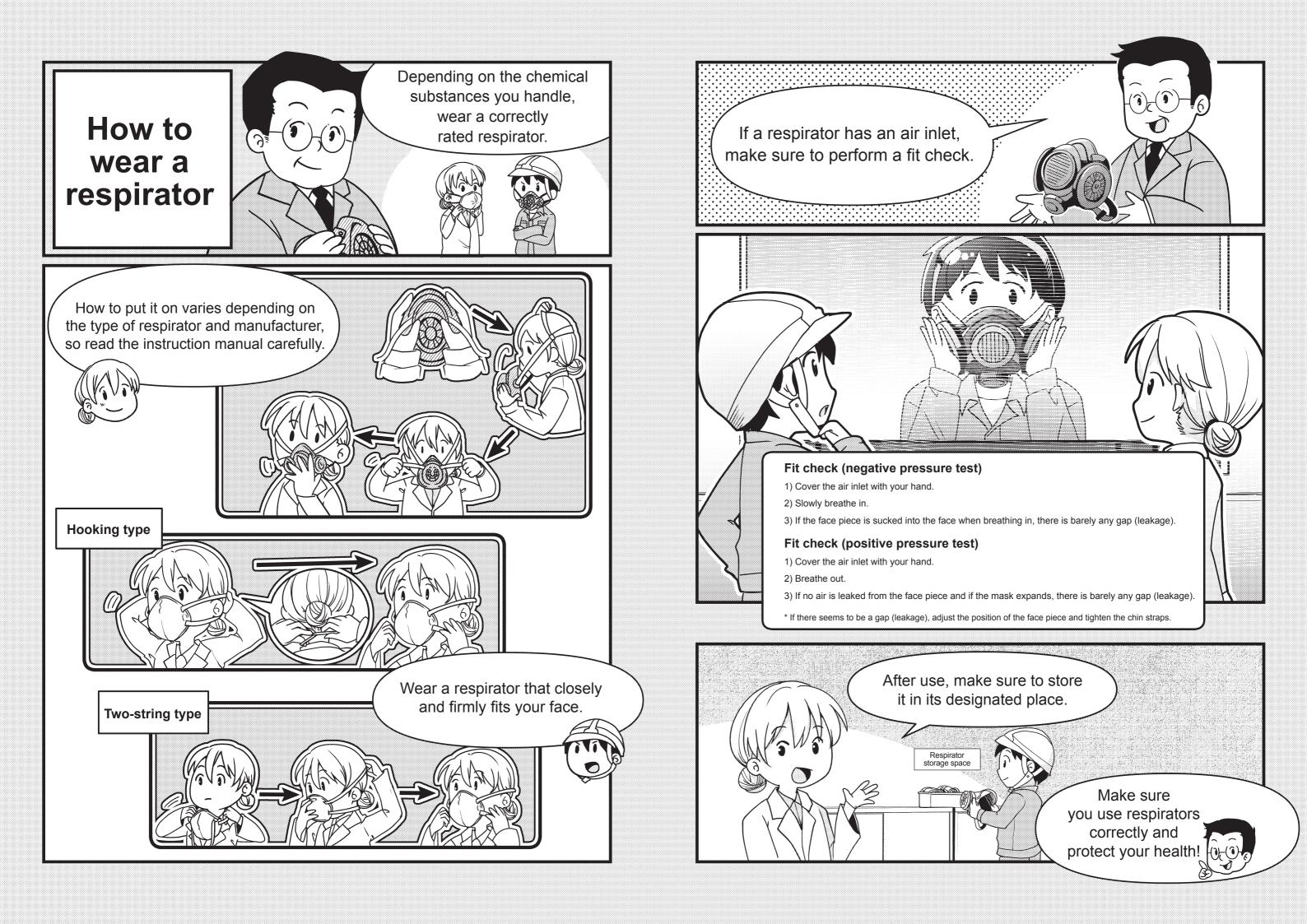


by Japan Industrial Safety & Health Association











厚生労働省 Check the pictograms before handling a chemical substance!

	Pictogram	Typical physical and health hazards	Examples of typical precautions
Physical hazards	(A picture of an explosive blowing up)	Explosive: Mass detonation hazard Explosive: Fire, minor blast or fragment hazard Risk of explosion when heated	No smoking. Do not store at high temperatures and keep away from sparks or sources of ignition. When a fire occurs, immediately evacuate. Contents and containers must be disposed of according to the laws and regulations.
	(A picture of a fire)	Highly flammable gases and aerosols Combustible liquids and vapors Flammable solids Risk of fire when heated Pyrophoric when coming in contact with air Substances, which in contact with water, emit flammable gases	No smoking. Do not store at high temperatures and keep away from sparks or sources of ignition. Store in a well-ventilated area.
	(A picture of a circular fire)	Risk of ignition or fueling a fire Risk of fire or explosion	No smoking. Keep away from burning objects. Store on its own isolated from everything else.
	(A picture of a gas canister)	Compressed gas: Risk of explosion when heated Refrigerated liquefied gases: Risk of frostbite or injury	Store in a well-ventilated area out of direct sunlight. Wear cold resistant gloves and a face shield or protective goggles.
		Corrosive to metals	Do not transfer between containers.
Health hazards	(A picture of corrosiveness)	Serious chemical burns on the skin Serious damage to eyes	Do not let it come in contact with skin or eyes. After handling, wash your body thoroughly. Wear protective clothing, protective gloves, and protective goggles.
	(A picture of a skull)	Danger to life or toxic if drunk, inhaled, or on contact with skin	Do not inhale. Do not put in mouth or on skin. Use only outside or in a well-ventilated area. Wear a respirator, protective clothing, and protective gloves. Store in a secure environment.
	(A picture of health hazards)	Germ cell mutagenicity Carcinogenicity Reproductive toxicity (harmful to reproductive ability or a fetus) Aspiration hazard (risk of causing allergy, asthma, respiratory distress when inhaled) Specific target organ toxicity (organ damage) Danger to life if swallowed or aspirated into the airway	Do not let it come in contact with skin. Do not inhale. Wear a respirator, protective gloves, and protective clothing. Use in a well-ventilated area. If there are any abnormalities in the body or if exposure is suspected, immediately consult a physician.
		Harmful when swallowed, inhaled, or on contact with skin Strong eye and skin irritant Skin sensitization (risk of allergic skin reaction) Respiratory tract irritation or narcotic effects	Do not inhale. Consult a physician if feeling sick. Wear protective gear.
	(A picture of an exclamation mark)	Destroys ozone layer and harmful to health and environment	Contact the manufacturer or supplier regarding the information on collection or recycling.
Environmental hazards	(A picture of environment)	Acute hazards to the aquatic environment	Avoid leakage or disposal into the environment. Contents and containers must be disposed of according to the laws and regulations.
Note: Only representative items are listed. 2020.9			

Learn through Manga

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Basics of Chemical Substances Handling



Contact information regarding this material Safety Division, Industrial Health and Safety Department, Labor Standards Bureau, Ministry of Health, Labor, and Welfare