

NUS Medicine Safety Day 2018

Safety Exhibition

Department of Medicine

Safety Theme: “Know Safety and work safely”

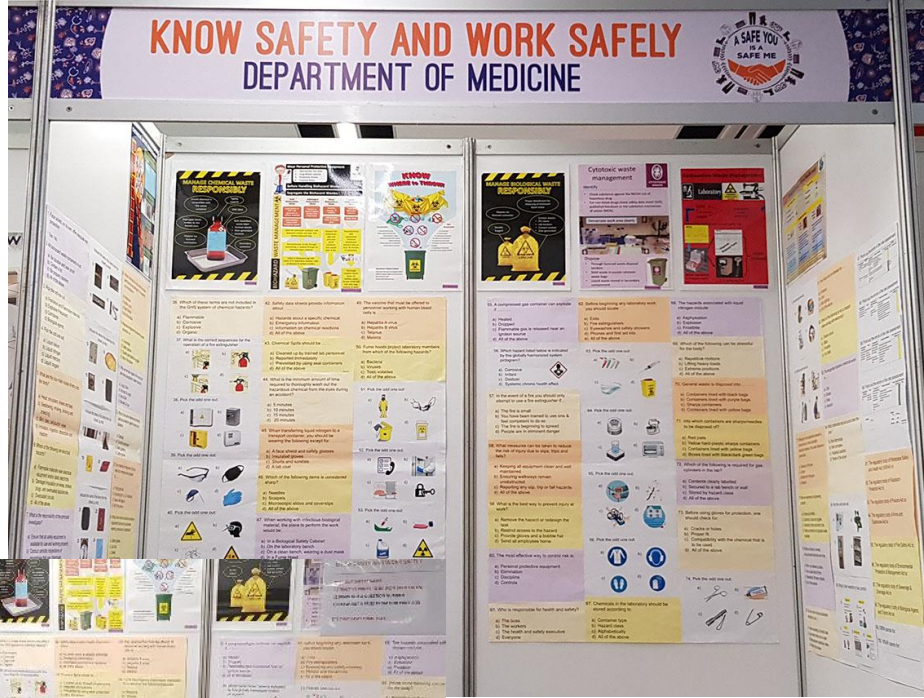
Our safety theme is “Know Safety and Work Safely”, and we will communicate this to our participants by showcasing a few safety games. These safety games will include word puzzles and pictorial games, and aim to engage lab staff and students to learn about workplace safety and health through play.

NUS Medicine Safety Day 2018

Safety Exhibition on 26 July 2018

DOM Safety theme: KNOW SAFETY AND WORK SAFELY

Managed by Adeline Chow, Tong Koh Jong, Yeo Soh Bee



1. Face shield, on its own, offer adequate eye protection

True or False

2. All biohazard waste containers must:

- a) Be durable and leak proof
- b) Contain a lid
- c) Be properly labelled
- d) All of the above

3. Pick the odd one out:

- a) Petroleum and Flammable materials
- b) Explosive Precursors
- c) Composites
- d) Biological agents

4. Pick the odd one out:

- a) Liquid helium
- b) Liquid nitrogen
- c) Liquid mercury
- d) Liquid oxygen

5. What are the four main routes of entry into the body?

- a) Head, shoulders, knees and toes
- b) Swallowing, inhaling, drinking and sneezing
- c) Skin, toes, bellybutton, eyes
- d) Inhalation, ingestion, absorption and injection

6. Which of the following are electrical hazards?

- a) Flammable materials near electrical equipment and/or static electricity
- b) Damaged insulation on wires, broken plugs, and overheated appliances
- c) Overloaded circuits
- d) All of the above

7. What is the responsibility of the principal investigator?

- a) Ensure that all safety equipment is available for use and working properly
- b) Conduct periodic inspections of laboratories that use chemicals
- c) Conduct periodic safety training of research staff
- d) All of the above

8. The following statements are true about eyewash stations, except for.....

- a) Ensure free access to the eyewash station so that its always available in the event of an accident
- b) Routinely check the eyewash station to ensure its always in good working condition
- c) When using the eyewash, close your eyes if the water is too cold
- d) When using the eyewash, hold eyes open to ensure they are cleaned of the chemical

Indicate the name of the items from the closed up shot:



Indicate the name of the items from the closed up shot:



Indicate the name of the items from the closed up shot:



Indicate the name of the items from the closed up shot:



29. Which chemical is most likely to cause permanent eye damage if not washed out immediately?

- a) Pesticides
- b) Battery acid
- c) Paint thinner
- d) All of the above

30. Personal eyeglasses provides the same protection as

- a) Face shield
- b) Safety glasses
- c) Splash proof chemical goggles
- d) None of the above

31. What are the two organs of the body that are most susceptible to laser radiation?

- a) Lungs & Skin
- b) Stomach & Lungs
- c) Eye & Skin
- d) Stomach & Eye

32. Which of the items below are commonly used as protection against impact and radiation.

- a) Earplugs
- b) Full body harnesses
- c) Safety glasses
- d) Cotton gloves

33. Eye protection is required in the lab when lab members are exposed to.....

- a) Flying particles
- b) Injurious light (e.g. UV radiation)
- c) Gases and vapours
- d) All of the above

34. What is the minimum personal protective equipment that must be used when handling chemicals in a laboratory?

- a) Safety glasses
- b) Lab coat
- c) Gloves
- d) All of the above

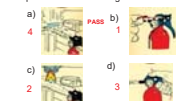
35. Which of the following is not a form of eye protection?

- a) Polycarbonate safety spectacles
- b) Face shield
- c) Goggles
- d) Contact lenses

36. Which of these terms are not included in the GHS system of chemical hazards?

- a) Flammable
- b) Corrosive
- c) Explosive
- d) Organic

37. What is the correct sequence for the operation of a fire extinguisher



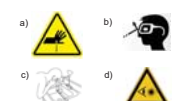
38. Pick the odd one out:



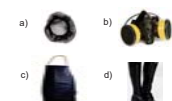
39. Pick the odd one out:



40. Points the odd one out:



41. Pick the odd one out:



42. Safety data sheets provide information about.....

- a) Hazards about a specific chemical
- b) Emergency information
- c) Information on chemical reactions
- d) All of the above

43. Chemical Spills should be

- a) Cleaned up by trained lab personnel
- b) Reported immediately
- c) Prevented by using seal containers
- d) All of the above

44. What is the minimum amount of time required to thoroughly wash out the hazardous chemical from the eyes during an accident?

- a) 5 minutes
- b) 10 minutes
- c) 15 minutes
- d) 20 minutes

45. When transferring liquid nitrogen to a transport container, you should be wearing the following except for.....

- a) A face shield and safety glasses
- b) Insulated gloves
- c) Shorts and sandals
- d) A lab coat

46. Which of the following items is considered sharp?

- a) Needles
- b) Scalpels
- c) Microscopic slides and coverslips
- d) All of the above

47. When working with infectious biological material, the place to perform the work would be.....

- a) In a Biological Safety Cabinet
- b) On the laboratory bench
- c) On a clean bench, wearing a dust mask
- d) In a Fume Hood

48. Which of the following procedures could generate aerosols?

- a) Cell sorters
- b) Pipetting
- c) Sonication tissue culture cells
- d) All of the above

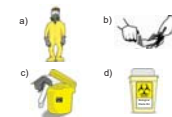
49. The vaccine that must be offered to personnel working with human blood cells is

- a) Hepatitis A virus
- b) Hepatitis B virus
- c) Tetanus
- d) Malaria

50. Fume hoods protect laboratory members from which of the following hazards?

- a) Bacteria
- b) Viruses
- c) Toxic volatiles
- d) All of the above

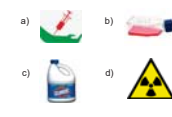
51. Pick the odd one out:



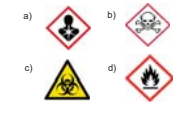
52. Pick the odd one out:



53. Pick the odd one out:



54. Pick the odd one out:



55. A compressed gas container can explode if.....

- a) Heated
- b) Dropped
- c) Flammable gas is released near an ignition source
- d) All of the above

56. Which hazard listed below is indicated by this globally harmonized system pictogram?



- a) Corrosive
- b) Irritant
- c) Oxidizer
- d) Systemic chronic health effect

57. In the event of a fire you should only attempt to use a fire extinguisher if....

- a) The fire is small
- b) You have been trained to use one & feel competent to do so
- c) The fire is beginning to spread
- d) People are in imminent danger

