

Biosafety Principles and Practices Quiz

Total points 14/20 ?

Must score at least 15 points to pass.

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✓ 1. Risk Group 2 agents are associated with human disease which is rarely serious and for which preventive or therapeutic interventions are often available. * 1/1

☒ True

☐ False



✓ 2. Biosafety Containment Levels (BSL) focus on laboratory practice and techniques, safety equipment and facility design. * 1/1

☒ True



☐ False

✓ 3. BSL-1 represents the highest level of containment of biohazardous agents. * 1/1

☐ True

☒ False



✓ 4. Whenever working with any human-derived blood, body fluids, tissue or uncharacterized cell culture BSL-2 practices should be used. * 1/1

☒ True



☐ False

✓ 5. Work surfaces and equipment must be decontaminated on completion of work & after any spill or splash of viable materials with a disinfectant effective against the agent. * 1/1



☒ True



☐ False

✓ 6. Biohazard signs which includes the Biohazard symbol must be posted 1/1
on laboratories for BSL-2 and higher research activities. *

☒ True



☐ False

✗ 7. An example of a Biosafety Level 3 organism is E. Coli K-12 (non-
pathogenic). *

☒ True



☐ False

✓ 8. The front grille of a biological safety cabinet must not be blocked with 1/1
notepapers, glassware or pipettes. *

☒ True



☐ False

✓ 9. When working with an attenuated pathogen you need not be 1/1
concerned about a Laboratory Acquired Infection. *



☐ True

☒ False



✗ 10. Training for the transportation of dangerous goods is mandatory for shippers and handlers and regulated by DOT, HHS and IATA. *

0/1

☐ True

☒ False



✓ 11. Risk Group (RG) is a category of pathogenicity and Biological Safety Level (BSL) is a category of containment. *

1/1

☒ True

☐ False



✓ 12. Which of the following statements are true regarding risk groups? *

1/1

- ☐ a. Classification of agents is based on the potential effect of a biological agent on a healthy adult human
- ☐ b. Agents are classified into four risk groups according to their relative pathogenicity healthy human adult.
- ☐ c. Classifications of agents does not account for instances in which an individual may have increased susceptibility to a biological agent.
- ☒ d. All of the above



✗ 13. Hand washing must be performed: *

0/1

- ☐ a. After handling viable material.
- ☒ b. After removing gloves.
- ☐ c. Before leaving laboratory.
- ☐ d. For at least 20 seconds.
- ☐ e. All of the above

✗

✓ 14. BSL-2 research work that could produce splashes and/or aerosolization should be performed: *

1/1

- ☐ a. On the bench top.
- ☐ b. In a fume hood²
- ☒ c. In a Class II biological safety cabinet
- ☐ d. This work should not be performed because it is too risky
- ☐ e. All of the Above

✓

✓ 15. What mixture of bleach and water should you use to properly decontaminate surfaces? *

1/1

- ☐ a. Full strength



- ☐ b. 1 part water to 9 parts bleach
- ☒ c. 1 part bleach to 9 parts water
- ☐ d. 1 part bleach to 99 parts water



✗ 16. When is disinfection/ decontamination of a Biological Safety Cabinet necessary? * 0/1

- ☐ a. Before and after completion of work
- ☒ b. When the BSC is moved to another laboratory
- ☐ c. After a biohazardous spill
- ☐ d. All of the above



✓ 17. Biosafety cabinets must be re-certified under which of the following circumstances: * 1/1

- ☐ a. Following movement of the cabinet to a new location.
- ☐ b. Annually.
- ☐ c. When cabinet filters are changed.
- ☒ d. All of the above.



✓ 18. Which of the following statements are true regarding biosafety cabinets? * 1/1

- ☐ a. Not designed for chemical use- chemicals may damage HEPA filter
- ☐ b. Air is HEPA filtered



- ☐ c. Do not use open flames in a BSC
- ☐ d. Laminar air flow provides containment
- ☒ e. All of the above



✗ 19. HEPA filters: *

0/1

- ☐ a. DO NOT filter out gasses and vapors, they only filter out particulates.
- ☒ b. Are high efficiency particulate air filter.
- ☐ c. HEPA filters are at least 99.97% efficient for particles 0.3 micrometers in size.
- ☐ d. All of the above.



✗ 20. How long is your biosafety training valid for before it needs to be renewed? *

0/1

- ☐ a. One Year
- ☐ b. Two Years
- ☐ c. Three Years
- ☒ d. Only valid until any protocols you are on expire



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