

**GEOGRAPHIC INFORMATION SYSTEMS  
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**\*\*\* EXAMINATION \*\*\***

**WASTE MINIMIZATION IN THE OIL FIELD**

1. **What has jurisdiction over oil and gas wastes?**
  - a) The Society of Petroleum Engineers
  - b) The Texas Highway Department
  - c) The Texas Railroad Commission
  - d) The American Petroleum Institute
  
2. **The acronym RRC stand for**
  - a) Railroad Commission of Texas
  - b) River and Road Certification
  - c) Rail Road Constitution
  - d) Rail Road Conservation
  
3. **TRNCC is the**
  - a) the Texas Natural Railroad Commission Committee
  - b) the Texas Natural Resource Conservation Commission
  - c) the Texas Natural Recycling Conservation Committee
  - d) None of the above
  
4. **When was the RCRA originally enacted?**
  - a) 1970
  - b) 1976
  - c) 1988
  - d) 1994
  
5. **Primary field operations include:**
  - a) primary production of oil or gas
  - b) secondary production of oil or gas
  - c) tertiary production of oil or gas
  - d) all of the above
  
6. **The elimination of generated wastes is the goal of:**
  - a) the Waste Reduction Plan
  - b) the Waste Removal Plan
  - c) the Waste Minimization Plan
  - d) the Waste Recycling Plan

7. **The easiest and most effective source of waste reduction**
  - a) is product replacement
  - b) is product substitution
  - c) is product repair
  - d) is product disposal
  
8. **Slim hole drilling should be considered when planning**
  - a) a mining project
  - b) a coal project
  - c) an uranium mine project
  - d) a drilling project
  
9. **One of the most effective ways to reduce**
  - a) waste generation is inventory control
  - b) waste generation is blasting
  - c) waste generation is fabrication
  - d) waste generation is cleaning
  
10. **The responsibility of oil and gas waste**
  - a) at the drill site is the operator's
  - b) at the drill site is the driller's
  - c) at the drill site is the owner's
  - d) at the drill site is the manager's
  
11. **If you have trouble finding a company to recycle**
  - a) your waste, call the boss
  - b) your waste, call the Corps of Engineers
  - c) your waste, call the Waste Minimization Program
  - d) your waste, call the owner
  
12. **When running tubing, connections require the use of**
  - a) pipe connectors
  - b) pipe joints
  - c) pipe glue
  - d) pipe dope
  
13. **The Clean Air Act Amendments were established in:**
  - a) 1970
  - b) 1980
  - c) 1992
  - d) 1998
  
14. **A coiled tubing unit work over eliminates the need**
  - a) for pulling tubing
  - b) for displacing well fluids
  - c) for well blow down
  - d) All of the above

15. **The application of microbes in the well is**
- a) controlling paraffin deposition
  - b) controlling well explosions
  - c) controlling well shut-ins
  - d) None of above
16. **Regulatory compliance concerns are the result**
- a) of excess water in the well
  - b) of paraffin's used in the well
  - c) of naturally occurring radioactive materials
  - d) All of the above
17. **Barium and sulfates in water will cause:**
- a) precipitation of barium nitrate
  - b) precipitation of barium sulfate scale
  - c) precipitation of barium oxide
  - d) None of above
18. **A common problem in contaminating soil is:**
- a) tubing runoff on the rig floor
  - b) cleaning the drill bits
  - c) lack of land
  - d) All of above
19. **Produced water that is injected for enhanced recovery**
- a) is considered to be unusable
  - b) is considered to be fresh
  - c) is considered to be recycled
  - d) None of above
20. **A primary method of managing wastes is**
- a) recycling
  - b) burning
  - c) burying
  - d) None of above



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