

2022 VA Governor's Cup Written Exam

Name _____

Team # _____

Circle One Answer

1. Clean, dry air at sea level is made up of ____ ____ nitrogen and 21 percent oxygen.
58 percent 68 percent **78 percent** (#96)
2. A smoke tube is used to show the direction and _____ of slow moving air.
quantity **velocity** speed (#90)
3. High volatile coal burns _____ than low or medium volatile coal.
much hotter **much faster** more readily (#83)
4. When looking for survivors, it is important to _____ and listen for clues.
both look look carefully look around (#75)
5. When survivors are _____, their location, identities, and condition should be reported immediately to the command center. (#77)
rescued found **located**
6. Oxygen is a supporter of _____.
life explosions **combustion** (#46)
7. Teams should report the lowest team member's oxygen _____ reading at each team check.
bottle psi **gauge** (#31)
8. Mines below the water table tend to have ____ methane than those above the water table.
less **more** lighter (#6)
9. To test for methane, use a methane detector or _____. (#1)
bottle sampling **chemical analysis** safety lamp
10. As the team advances, the map man records what the _____ by marking the information on a mine map. (#35)
team encounters others find team locates