

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