2023 Governors Cup Mine Rescue Contest Technician Team Test

Name:	Team	
	on by pressing and holding the cent	
navigation button on	the front of the instrume	nt for at least 3
seconds.		
Upper		
Middle		
Lower		
Accumulations of hydrogen: is highly toxic. is highly soluble it. is highly explosive		are dangerous
BATTERY STATUS – Und to view the battery statu	der the main menu [] options.	n, select [BATTERY]
CONFIGURE		
DISPLAY		
VIEW		
	rument detects and measures conc	
	oxygen and nitrogen dioxide in the	e air
continuously and sim	ultaneously.	
Mine		
Room		
Ambient		

In case of an alarm, the sensor(s) in alarm will be Highlighted Flashing Red	_ on the display.
Carbon monoxide is: a gas found in all mining operations a normal constituent of air detected during a mine fire or explosion	
To scatter, spread out, or blend. Disperse Diffuse Mix	
Main fan – A mechanical ventilator installed at the surface by either exhausting or blowing (pushing) to airflownine. Create Induce Cause	which operates w through the
Normal air contains approximately what percent oxygen 15% 21% 31%	en?

Two instruments commonly used to measure velocity of airflow in a mine are:

Smoke tube and CO detector.

Anemometer.

Smoke tube and anemometer.

Two gases that are highly soluble in water are hydrogen sulfide and

Methane

Nitrogen dioxide

Sulfur dioxide

.A gas that is normally found near the roof or in high place in the mine is said to have a _____ specific gravity.

High

Middle

Low

The most likely source of ethane, propane, or butane in a mine is: use of diesel equipment battery charging stations. leakage from adjacent gas or oil wells

Mine rescue teams should alter existing ventilation:
Only when directed to do so by the Command Center.
When the team captain decides to do so.
When they encounter high concentrations of methane.

"Pogo sticks" are devices that are used:

To test the roof and rib.

To determine the direction of airflow.

As supports on which brattice cloth can be hung.