**2020 Mine Rescue Statements of Fact, 51-60**

51. Sulfur \_\_\_\_\_\_\_\_ and hydrogen sulfide are water soluble gases.

52. Color, \_\_\_\_\_, and taste are physical properties that help to identify gases during barefaced exploration.

53. Only \_\_\_\_\_\_\_\_ and chemical analysis can positively identify a gas.

54. The \_\_\_\_\_\_\_ of toxic gases depend on the concentration, toxicity, and exposure time.

55. \_\_\_\_\_\_\_\_\_\_\_\_ are gases which cause suffocation or choking.

56. Firedamp is a \_\_\_\_\_\_\_ of methane in air that will burn or explode when ignited.

57. If there is a \_\_\_\_\_\_\_\_\_\_ amount of hydrocarbons in smoke, the smoke may be explosive.

58. Ventilation \_\_\_\_\_\_\_\_\_ are used underground to properly distribute air to all sections of the mine.

59. Gases with \_\_\_\_\_\_\_\_\_ gravities less than 1.0 tend to seek high places.

60. \_\_\_\_\_\_ with specific gravities greater than 1.0 tend to seek low places.

**2020 Mine Rescue Statements of Fact, 51-60**

51. Sulfur \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ sulfide are water soluble gases.

52. Color, \_\_\_\_\_, and taste are \_\_\_\_\_\_\_\_\_ properties that help to identify gases during barefaced exploration.

53. Only \_\_\_\_\_\_\_\_ and chemical \_\_\_\_\_\_\_\_\_ can positively identify a gas.

54. The \_\_\_\_\_\_\_ of toxic gases \_\_\_\_\_\_\_ on the concentration, toxicity, and exposure time.

55. \_\_\_\_\_\_\_\_\_\_\_\_ are gases which cause \_\_\_\_\_\_\_\_\_\_\_\_ or choking.

56. Firedamp is a \_\_\_\_\_\_\_ of \_\_\_\_\_\_\_ in air that will burn or explode when ignited.

57. If there is a \_\_\_\_\_\_\_\_\_\_ amount of \_\_\_\_\_\_\_\_\_\_\_\_ in smoke, the smoke may be explosive.

58. Ventilation \_\_\_\_\_\_\_\_\_ are used \_\_\_\_\_\_\_\_\_\_\_\_ to properly distribute air to all sections of the mine.

59. Gases with \_\_\_\_\_\_\_\_\_ gravities less than \_\_\_\_ tend to seek high places.

60. \_\_\_\_\_\_ with specific gravities greater than \_\_\_\_ tend to seek low places.

**2020 Mine Rescue Statements of Fact, 51-60**

51. Sulfur \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ sulfide are \_\_\_\_\_\_\_ soluble gases.

52. Color, \_\_\_\_\_, and taste are \_\_\_\_\_\_\_\_\_ properties that help to \_\_\_\_\_\_\_\_ gases during barefaced exploration.

53. Only \_\_\_\_\_\_\_\_ and chemical \_\_\_\_\_\_\_\_\_ can \_\_\_\_\_\_\_\_\_\_ identify a gas.

54. The \_\_\_\_\_\_\_ of toxic gases \_\_\_\_\_\_\_ on the \_\_\_\_\_\_\_\_\_\_\_\_, toxicity, and exposure time.

55. \_\_\_\_\_\_\_\_\_\_\_\_ are gases which cause \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_.

56. \_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_ of \_\_\_\_\_\_\_ in air that will burn or explode when ignited.

57. If there is a \_\_\_\_\_\_\_\_\_\_ amount of \_\_\_\_\_\_\_\_\_\_\_\_ in smoke, the \_\_\_\_\_\_\_ may be explosive.

58. Ventilation \_\_\_\_\_\_\_\_\_ are used \_\_\_\_\_\_\_\_\_\_\_\_ to properly \_\_\_\_\_\_\_\_\_\_\_ air to all sections of the mine.

59. Gases with \_\_\_\_\_\_\_\_\_ gravities less than \_\_\_\_ tend to seek \_\_\_\_\_\_ places.

60. \_\_\_\_\_\_ with specific \_\_\_\_\_\_\_\_\_\_ greater than \_\_\_\_ tend to seek low places.

**2020 Mine Rescue Statements of Fact, 51-60**

51. Sulfur \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ sulfide are \_\_\_\_\_\_\_ soluble \_\_\_\_\_\_.

52. Color, \_\_\_\_\_, and taste are \_\_\_\_\_\_\_\_\_ properties that help to \_\_\_\_\_\_\_\_ gases during \_\_\_\_\_\_\_\_\_\_\_ exploration.

53. Only \_\_\_\_\_\_\_\_ and chemical \_\_\_\_\_\_\_\_\_ can \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ a gas.

54. The \_\_\_\_\_\_\_ of \_\_\_\_\_\_ gases \_\_\_\_\_\_\_ on the \_\_\_\_\_\_\_\_\_\_\_\_, toxicity, and exposure time.

55. \_\_\_\_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_ which cause \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_.

56. \_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_ of \_\_\_\_\_\_\_ in air that will \_\_\_\_\_\_ or explode when ignited.

57. If there is a \_\_\_\_\_\_\_\_\_\_ amount of \_\_\_\_\_\_\_\_\_\_\_\_ in smoke, the \_\_\_\_\_\_\_ may be \_\_\_\_\_\_\_\_\_\_.

58. Ventilation \_\_\_\_\_\_\_\_\_ are used \_\_\_\_\_\_\_\_\_\_\_\_ to properly \_\_\_\_\_\_\_\_\_\_\_ air to all \_\_\_\_\_\_\_\_\_\_ of the mine.

59. Gases with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ less than \_\_\_\_ tend to seek \_\_\_\_\_\_ places.

60. \_\_\_\_\_\_ with specific \_\_\_\_\_\_\_\_\_\_ greater than \_\_\_\_ tend to \_\_\_\_\_\_ low places.

**2020 Mine Rescue Statements of Fact, 51-60**

51. Sulfur \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_ soluble \_\_\_\_\_\_.

52. Color, \_\_\_\_\_, and taste are \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ that help to \_\_\_\_\_\_\_\_ gases during \_\_\_\_\_\_\_\_\_\_\_ exploration.

53. Only \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ can \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ a gas.

54. The \_\_\_\_\_\_\_ of \_\_\_\_\_\_ gases \_\_\_\_\_\_\_ on the \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, and exposure time.

55. \_\_\_\_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_ which \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_.

56. \_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_ of \_\_\_\_\_\_\_ in air that will \_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ when ignited.

57. If there is a \_\_\_\_\_\_\_\_\_\_ amount of \_\_\_\_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_, the \_\_\_\_\_\_\_ may be \_\_\_\_\_\_\_\_\_\_.

58. \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ are used \_\_\_\_\_\_\_\_\_\_\_\_ to properly \_\_\_\_\_\_\_\_\_\_\_ air to all \_\_\_\_\_\_\_\_\_\_ of the mine.

59. \_\_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ less than \_\_\_\_ tend to seek \_\_\_\_\_\_ places.

60. \_\_\_\_\_\_ with specific \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ than \_\_\_\_ tend to \_\_\_\_\_\_ low places.

**2020 Mine Rescue Statements of Fact, 51-60**

51. Sulfur \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_.

52. Color, \_\_\_\_\_, and \_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ that help to \_\_\_\_\_\_\_\_ gases during \_\_\_\_\_\_\_\_\_\_\_ exploration.

53. Only \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ can \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ a \_\_\_\_.

54. The \_\_\_\_\_\_\_ of \_\_\_\_\_\_ gases \_\_\_\_\_\_\_ on the \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_ time.

55. \_\_\_\_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_ which \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_.

56. \_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_ of \_\_\_\_\_\_\_ in \_\_\_\_ that will \_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ when ignited.

57. If \_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_\_\_\_ amount of \_\_\_\_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_, the \_\_\_\_\_\_\_ may be \_\_\_\_\_\_\_\_\_\_.

58. \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ are used \_\_\_\_\_\_\_\_\_\_\_\_ to properly \_\_\_\_\_\_\_\_\_\_\_ air to all \_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_.

59. \_\_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ less than \_\_\_\_ \_\_\_\_\_ to seek \_\_\_\_\_\_ places.

60. \_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ than \_\_\_\_ tend to \_\_\_\_\_\_ low places.

**2020 Mine Rescue Statements of Fact, 51-60**

51. \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_.

52. \_\_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ that help to \_\_\_\_\_\_\_\_ gases during \_\_\_\_\_\_\_\_\_\_\_ exploration.

53. Only \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ can \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ a \_\_\_\_.

54. The \_\_\_\_\_\_\_ of \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_\_ on the \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_ time.

55. \_\_\_\_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_ which \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_.

56. \_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_ of \_\_\_\_\_\_\_ in \_\_\_\_ that will \_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ when \_\_\_\_\_\_\_\_.

57. If \_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_, the \_\_\_\_\_\_\_ may be \_\_\_\_\_\_\_\_\_\_.

58. \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ are used \_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ air to all \_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_.

59. \_\_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ less than \_\_\_\_ \_\_\_\_\_ to seek \_\_\_\_\_\_ places.

60. \_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ than \_\_\_\_ tend to \_\_\_\_\_\_ low \_\_\_\_\_\_\_.

**2020 Mine Rescue Statements of Fact, 51-60**

51. \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_.

52. \_\_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ that help to \_\_\_\_\_\_\_\_ gases during \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.

53. Only \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ can \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ a \_\_\_\_.

54. The \_\_\_\_\_\_\_ of \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_\_ on the \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_ time.

55. \_\_\_\_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_ which \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_.

56. \_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_ of \_\_\_\_\_\_\_ in \_\_\_\_ \_\_\_\_\_ will \_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ when \_\_\_\_\_\_\_\_.

57. If \_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_, the \_\_\_\_\_\_\_ may be \_\_\_\_\_\_\_\_\_\_.

58. \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ are used \_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ air \_\_\_ all \_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_.

59. \_\_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ less than \_\_\_\_ \_\_\_\_\_ to seek \_\_\_\_\_\_ \_\_\_\_\_\_\_.

60. \_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ than \_\_\_\_ \_\_\_\_\_ to \_\_\_\_\_\_ low \_\_\_\_\_\_\_.

**2020 Mine Rescue Statements of Fact, 51-60**

51. \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_.

52. \_\_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ that help to \_\_\_\_\_\_\_\_ gases \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.

53. Only \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ can \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ a \_\_\_\_.

54. The \_\_\_\_\_\_\_ of \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_\_ on the \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_ time.

55. \_\_\_\_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_ which \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_.

56. \_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_ of \_\_\_\_\_\_\_ in \_\_\_\_ \_\_\_\_\_ will \_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ when \_\_\_\_\_\_\_\_.

57. If \_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_, the \_\_\_\_\_\_\_ may be \_\_\_\_\_\_\_\_\_\_.

58. \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ are used \_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ air \_\_\_ all \_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_.

59. \_\_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ than \_\_\_\_ \_\_\_\_\_ to seek \_\_\_\_\_\_ \_\_\_\_\_\_\_.

60. \_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ than \_\_\_\_ \_\_\_\_\_ to \_\_\_\_\_\_ low \_\_\_\_\_\_\_.

**2020 Mine Rescue Statements of Fact, 51-60**

51. \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_.

52. \_\_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ that \_\_\_\_\_ to \_\_\_\_\_\_\_\_ gases \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.

53. Only \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ can \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ a \_\_\_\_.

54. The \_\_\_\_\_\_\_ of \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_\_ on the \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_ time.

55. \_\_\_\_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_ which \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_.

56. \_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_ of \_\_\_\_\_\_\_ in \_\_\_\_ \_\_\_\_\_ will \_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ when \_\_\_\_\_\_\_\_.

57. If \_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_, the \_\_\_\_\_\_\_ may be \_\_\_\_\_\_\_\_\_\_.

58. \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ are used \_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ air \_\_\_ all \_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_.

59. \_\_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ than \_\_\_\_ \_\_\_\_\_ to seek \_\_\_\_\_\_ \_\_\_\_\_\_\_.

60. \_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ than \_\_\_\_ \_\_\_\_\_ to \_\_\_\_\_\_ low \_\_\_\_\_\_\_.