**Question 9**

1. What distillate is labeled by DOT as a Flammable Liquid to containers and Flammable (when warranted) to bulk packaging, freight, and railcar shipments, along with being a preservative for utility poles and cross ties?

Answer

|  |  |  |
| --- | --- | --- |
|  |  | Carbon black |
|  |  | Flowers of sulfur |
|  |  | Creosote oil |
|  |  | Coal tar pitch |

**Question 10**

1. Which of the following statements is FALSE?

Answer

|  |  |  |
| --- | --- | --- |
|  |  | TSCA regulates existing hazards not covered by other federal laws dealing with toxic substances. |
|  |  | The FDA ensures that the labeling of cosmetics is truthful and informative. |
| 9\*8 |  | The EPA establishes the requirements for identifying certain hazardous substances found in household products. |
|  |  | The FAAA includes provisions to ensure that malt beverages intended for nonindustrial use are safe for consumption. |

**Question 11**

1. Two important allotropes of elemental phosphorus are white phosphorus and red phosphorus: A. Why should gloves be worn when handling white phosphorus? B. Why are firefighters advised to use dry sand rather than wet sand to extinguish a small red phosphorus fire? (minimum 200 word response)

**Question 12**

1. Why is the spillage of liquid oxygen upon asphalt pavement potentially hazardous? (minimum 200 word response)