Rocks & Minerals

Mystery Hunt at the Yale Peabody Museum

Ages 7 and older

ANSWERS

1. Find the Simplified Geologic Map of Connecticut. What kind of rock is represented by the red patches? TRAP ROCK

2. In the MINERALS UNDER ULTRAVIOLET LIGHT section of the exhibit, what color does mineral #5 (willemite) appear to glow under ultraviolet light? GREEN (or YELLOW)

3. What is the largest mineral in the MINERALS WITH HYDROTHERMAL ORIGINS section of the exhibit? BARITE

4. What is rock #16 in the CONNECTICUT ROCKS section of the exhibit? STONY CREEK GRANITE

5. Find the Emeralds case. Which state are these emeralds from? NORTH CAROLINA

6. Find the prehnite in the CONNECTICUT MINERALS section of the exhibit. What color is it? GREEN

7. How many crystals of elbaite are on display in the MINERALS FROM MAGMATIC ENVIRONMENTS section of the exhibit? 2

8. In the NATURAL RADIOACTIVITY section of the exhibit, which of the minerals is the most radioactive? PHOSPHURANYLITE

9. Go to the room next to the elevator.

What is the name of the bright yellow mineral? SULFUR What color is smithsonite? GREEN

Which is your favorite mineral in this room? PERSONAL OPINION

10. Go to the meteorite section of the hall. How much does the Red River meteorite weigh? 1635 lbs (or 741.6 kg)

11. On the giant globe, when you press the button for the Mississippi River, U.S.A., how many lights go on? 3

12. What source of energy created the fulgurite? LIGHTNING (or ELECTRICAL CURRENT)