

Name _____
Teacher _____
Class _____ Block _____
Date _____

Quiz: Splendid Stones-A

1. The Hope diamond is the world's biggest dark Blue diamond.

2. What amount of time in Japan is needed for a salt water cultured pearl to form? 18 months

3. What amount of time in the U.S. is needed for a fresh water cultured pearl to form? 3 years

4. What is the second most valuable gemstone?
Emeralds

5. What is the most valuable gemstone?
Rubies

6. Rubies from the country, Cambodia, are smuggled into Thailand.

7. What must be used to see the dopant in manufactured rubies?
UV light

8. Complete one.
Boron in a diamond makes its color blue.
Nitrogen in a diamond makes its color yellow.

9. Describe grease separation.

Diamonds stick to the grease belt.

10. In Israel, machines are used to cut the diamonds.

11. Where is there a suspected diamond reserve in the United States?

Arkansas
Crater of Diamonds

Name _____
Teacher _____
Class _____ Block _____
Date _____

Quiz: Splendid Stones-B

1. Why does the Hope diamond have that name?
Henry Hope = Banker

2. What did Mikimoto do for Japan?
Cultured ~~D~~ Pearls

3. What amount of time in the U.S. is needed for a fresh water cultured pearl to form?
3 years

4. Who did John Latondres compare Mikimoto to?
Henry Ford

5. Emeralds are the gems mined in the Andes mountains and in Colombia, S. America.

6. Rubies are mined in the countries, Burma and Thailand.

7. Cambodia
Osmer's artificial rubies are made without a Seed.

8. One ounce of diamonds is equal to 400 pounds of gold.

9. In what country did DeBeers mine diamonds?
South Africa

10. Now, Australia is the largest producer of diamonds.

Name _____
Teacher _____
Class _____ Block _____
Date _____

Quiz: Splendid Stones-C

- Magma forms gemstones when it forms crystals.
- Cultured pearls are harvested out of the animal, oysters.
- John Latondres makes fresh water pearls that look different than salt water pearls. How are they different? Shaped (not spheres)
- What caused the valley floor to be raised by 100 feet in Colombia, S. America? tailings
- Chorundum is the (2nd/3rd) hardest of all minerals.
- Sapphires are mined in the country, Burma (Thailand) Cambodia
- Osmer makes artificial rubies through a process that takes many (weeks/months).
- Gem quality artificial diamonds can be made, but they are more expensive.
- Grease separation or X-ray separation is used to obtain diamonds from the rock
- Diamonds are cut in India because of the low labor cost.
- Japan is buying more diamonds now because DeBeers advertising appeals to the women who get something. What do they get?
2 month bonus

Name _____
Teacher _____
Class _____ Block _____
Date _____

Quiz: Splendid Stones-D

- The Hope diamond is housed at the Smithsonian.
- What are Japan's "diving girls" famous for?
3 minutes holding breath
- Why must John Latondres do his business at night?
time difference to Japan
- What distinguishes the emerald dealers from the vaqueros who dig through the rubble at the bottom of the valley?
Towels
- The U.S. and Japan buy half of Thailand's ruby output.
- Rubies from Cambodia are mined by removing large amounts of land. The ratio of earth moved to gems recovered is 9 Million to one.
- Osmer adds a deparant to her rubies that causes them to have a yellow orange glow in UV light.
- Diamond is the hardest gem, but it can shatter and burn.
- Diamond removal damages the land more than rubies. The ratio of earth moved to gems recovered is 1 Billion to one.
- When a diamond is cut, what fraction of the weight is lost as dust?
half
- After a deal is made for diamonds, the words for "Luck and Blessing" are said. These are from the Hebrew language.

Teacher _____
Class _____ Block _____
Date _____

Quiz: Splendid Stones-E

1. The Hope diamond is the world's biggest dark blue diamond.
2. What is done with an oyster or mussel shell to make a cultured pearl?
turned into spheres
3. In the U.S., fresh water pearls are being made in the Tennessee River water shed.
4. What is the second most valuable gemstone?
Emerald
5. What is the most valuable gemstone?
Rubies
6. Since ruby mining ruins so much land, what has been put in the bad areas to reclaim it for good purposes?
Trees
7. Artificial rubies with dopant cost less than real rubies. What is the fraction for the cost?
1/20
8. What electricity company was the first to make artificial diamonds in 1955?
General Electric
9. What is the DeBeers slogan?
A diamond is forever.
10. Describe how diamond brokers ship the diamonds securely.
Plain Boxes, Normal Shipping
11. Where is Crater of Diamonds State Park?
Arkansas