

STUDENT NAME _____

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

ARIZONA MINING AND MINERAL MUSEUM
Treasure Hunt #3 for GRADES 7-8

Case
Number

(Some questions may have more than one correct answer.)

4. What mineral has the chemical formula SiO_2 ? _____
9. One native element is yellow. What is its name? _____
32. Two minerals contain only the element carbon. Name one. _____
20. Salt is the mineral halite. What is its chemical formula?

20. Pyrite is in the group called sulfides. What is its chemical formula?

41. What rock is used to filter impurities from medicines? _____
23. Name two metamorphic rocks that were found in the Phoenix Mountains.

22. What causes “fire” in opal? _____
35. Rock formations that look like fossils, but are not, are called what?

46. Name two gemstones you see. _____

TEACHERS' NOTE: **PLEASE DUPLICATE** THIS FORM WITH THE ENCLOSED MAP ON THE BACK FOR YOUR STUDENTS & BRING PENCILS.

STUDENT NAME _____

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

ARIZONA MINING AND MINERAL MUSEUM
Treasure Hunt #3 – Spanish for GRADES 7-8
Translated by Charlotte Reyes

Vitrina
Numero

4. ¿Qué mineral tiene el compuesto químico SiO_2 ? _____
6. El Amarillo es un elemento native. ¿Qué es su nombre? _____
32. Dos minerals solo contiene el elemento carbon. ¿Puedes nombrar una de ellas?

20. El mineral halite es sal. ¿Qué es el compuesto químico? _____

20. Pirita está en el grupo llamado sulfuro. ¿Qué es el compuesto químico?

41. ¿Qué piedra es usada como filtro impuridades de los medicines?

23. Nombra 2 rocas metamórficas que se encontraron en las montañas de Phoenix.

22. ¿Qué es la causa del “fuego” en ópalo? _____
35. Está formaciones del piedra que paresen fósils pero no está. ¿Se llamen?

46. Escribe el nombre de dos piedras preciosa en esta exhibito. _____

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TEACHER'S ANSWER KEY

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

**ARIZONA MINING AND MINERAL MUSEUM
Treasure Hunt #3 for GRADES 7-8**

**Case
Number**

(Some questions may have more than one correct answer.)

4. What mineral has the chemical formula SiO_2 ? quartz
6. One native element is yellow. What is its name? sulfur/sulphur
32. Two minerals contain only the element carbon. Name one. diamond, graphite
20. Salt is the mineral halite. What is its chemical formula? NaCl
20. Pyrite is in the group called sulfides. What is its chemical formula? FeS_2
41. What rock is used to filter impurities from medicines? Diatomaceous earth / diatomite
23. Name two metamorphic rocks that were found in the Phoenix Mountains.
schist, slate
22. What causes "fire" in opal? Diffraction grating arrangement of regularly-shaped and evenly-spaced spheres of silica
35. Rock formations that look like fossils, but are not, are called what? Pseudo-fossils
46. Name two gemstones you see. turquoise, malachite, amethyst

