

**SOL 5.7**

Study the mineral identification chart and then answer the following questions.

LUSTER	HARDNESS	COLOR	STREAK	NAME
Metallic	5.5 *	black	black **	magnetite
Metallic	6.25	brassy yellow	black	pyrite
Non-metallic	6.0	white, pink	none	feldspar
Non-metallic	5.5	black, green	none	amphibole
Non-metallic	6.5	black, green	none	pyroxene
Non-metallic	7.75	smoky, purple	none	quartz

\* Mohs hardness scale: Higher is harder; talc is 1 and diamond is 10. Harder materials scratch softer materials. \*\* Streak is the color of the mark made when the mineral is rubbed on a rough surface.

(5.7a)

**19. If you had a mineral that was brassy yellow and metallic, what could it be?**

- A magnetite
- B pyrite
- C feldspar
- D quartz

(5.7a)

**20. If you had a non-metallic mineral that was green and could not scratch pyrite it could be —**

- A feldspar.
- B amphibole.
- C pyroxene.
- D quartz.

(5.7a)

**21. Which property should NOT be used alone to identify a mineral?**

- A luster
- B color
- C hardness
- D cleavage

(5.7f)

**22. What should an ideal insecticide do?**

- A break down into another substance, which will kill even more insects
- B keep killing insects for a very long time
- C kill only the particular insect it is supposed to get rid of
- D kill as many different types of insects as possible