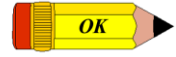


Name: _____

Assignment # _____

The Works - Steel

Video Notes



It's OK to write on this

Answer the following questions as you watch the video

1. What is Steel made of?
2. In what year was the first skyscraper built?
3. Where was steel first discovered?
4. How long does it take to make a samurai sword?
5. List 3 products made from steel.
6. How hot does the iron need to get to release impurities?
7. Henry Bessemer discovered that adding cold air at the bottom can make fire burn how hot?
8. Why is steel better than iron for Railroad tracks?
9. Does Steel lose strength or flexibility when it's recycled?
10. Why is using limestone bad?
11. The add chromium & _____ to make 'super steel' for military armored trucks.
12. Lowering the _____ content makes the steel more pliable (flexible).
13. The 1964 World's Fair sphere was made out of what kind of steel?
14. What causes intersection light poles to crack?
15. What's different about Harry Brearly's invention, stainless steel?
16. What happens if you leave a steel plate on a healing bone too long?
17. What was steel first used for?
18. People don't make Lamson knives anymore, what does?
19. Can you shave with a Lamson knife?

The Works - Steel

Video Notes

*It's OK to write on this*

Answer the following questions as you watch the video

1. What is Steel made of? **IRON & CARBON**
2. In what year was the first skyscraper built? **1885**
3. Where was steel first discovered? **AFRICA**
4. How long does it take to make a samurai sword? **MONTHS**
5. List 3 products made from steel.
ANSWER WILL VARY: SILVERWARE, CARS, BUILDINGS
6. How hot does the iron need to get to release impurities? **2500 DEGREES**
7. Henry Bessemer discovered that adding cold air at the bottom can make fire burn how hot? **3000°**
8. Why is steel better than iron for Railroad tracks? **ITS MORE FLEXIBLE - SAFER**
9. Does Steel lose strength or flexibility when it's recycled? **NO**
10. Why is using limestone bad? **IT POLLUTES THE ENVIRONMENT**
11. The add chromium & _____ **NICKEL** _____ to make 'super steel' for military armored trucks.
12. Lowering the ____ **CARBON** _____ content makes the steel more pliable (flexible).
13. The 1964 World's Fair sphere was made out of what kind of steel? **STAINLESS**
14. What causes intersection light poles to crack? **WIND VIBRATION**
15. What's different about Harry Brearly's invention, stainless steel? **IT IS STERILE/WON'T RUST**
16. What happens if you leave a steel plate on a healing bone too long?
METAL FATIGUE WILL BREAK THE PLATE AND RE-BREAK THE BONE
17. What was steel first used for? **CUTTING BLADES**
18. People don't make Lamson knives anymore, what does? **ROBOTS**
19. Can you shave with a Lamson knife? **YES**