

Printing Transforms Knowledge

ANSWER KEY

Part One

- 1) Before 1450, people rarely traveled beyond where they were born. In Europe at that time, a house of worship was where a person got information about the outside world. Artwork in a house of worship served to teach stories through **PICTURES**.
- 2) Facts at that time were what you knew by direct **EXPERIENCE**.
- 3) Hearing evidence in our courts today came from a time when the world was totally **ORAL**.
- 4) Young people looked up to older people, because older people's **MEMORIES** were "living records."
- 5) People called **TROUBADOURS** would travel from town to town and sing the news.
- 6) In order to remember facts, people spoke in **RHYMES**.
- 7) The word "**AUDIT**" means "hearing the accounts read aloud."
- 8) The act of **WRITING** was considered mystical.

Part Two

- 9) **MONKS**, who lived in monasteries, made handwritten copies of books.
- 10) It took one **YEAR** to create a handwritten book.
- 11) Early **LIBRARIES** were not organized.
- 12) They even had to open **SCROLLS/BOOKS/MANUSCRIPTS** to see what they were about.
- 13) People usually did not travel further than **SEVEN** miles from their home.
- 14) A person who traveled further wrote "The Book of the **DEAD**."
- 15) He would make his rounds once every **TEN** years.

16) So many people died by the Black Plague that there was more **_LAND and MONEY_** for those that survived.

17) People loaded their wagons with goods to sell to others who now lived further away. There was a law at the time that said that if you stayed away long enough, your employer couldn't force you back. This resulted in more people settling in these gathering spots, which became **___TOWNS___**.

18) By 1400, **___PAPER___** was easily available and manuscript factories existed just for filling in forms.

19) People paid money for a piece of paper called an "**___INDULGENCE___**," which was a formal forgiveness for a sin.

Part Three

20) People made pilgrimages to churches to buy these. Outside the churches, vendors sold items similar to today's souvenirs. In Germany in 1439, one of these vendors, named Johannes Gutenberg, made a big mistake by arriving in the wrong **___YEAR___** of the big pilgrimage.

21) He owed his partners lots of money and had to raise the money another way. This goldsmith told them of a secret invention that resulted in "taking away **___MEMORIES___** forever."

22) The invention was the creation of letters that could be **___PRINTED___** with the same **___SIZE___** and set in **___ORDER___**.

23) These were then covered with **___INK___**, and **___PAPER___** in a frame was pressed onto the letters.

24) The traveling **___PRINTER___** became common.

25) Their biggest orders were from the **___CHURCHES___** who issued them to print **___INDULGENCES___**.

27) By **___1517___**, the churches issued bonus indulgences to pay for grand churches with incredible artwork, such as Michelangelo's ceiling in the Sistine Chapel.

28) In East Germany, on October 31, 1517, **___MARTIN LUTHER___**, a professor of theology, posted comments disagreeing with the church's use of indulgences. He sent one copy to the Archbishop and one to his boss. He also sent some copies to his friends.

29) His friends **___REPRINTED___** his comments and passed them around.

- 30) Within two weeks, his comments were all over **GERMANY**.
- 31) Within one month, his comments were all over **EUROPE**.
- 32) Within one year, the world experienced the first example of a "**PROPAGANDA** War." (This one was against the Roman church.)
- 33) In three years, **300,000** copies of Luther's book had been distributed.
- 34) This is considered the very first **MASS MEDIA** campaign.
- 35) Luther wrote his bible, not in Latin, but in the **GERMAN** language.
- 36) There was an illustration of his **FACE**, which made him the very first recognized figure by the general public....the first "celebrity."

Part Four

- 37) In the first forty years of the printing press, **EIGHT MILLION** books were produced.
- 38) Scientific updates created a new career in **TECHNICAL** drawing.
- 39) The largest book fair is held in **FRANKFURT**.
- 40) Books took away the reliance on old people's **MEMORIES**.

Part Five

- 41) "Cross-**INDEXING**" information is necessary for cataloging so much information.
- 42) Ballistics and math resulted in the invention of the **COMPUTER**.
- 43) We no longer check most facts by personal **EXPERIENCE**.
- 44) Facts can be **OLD** as soon as we get them.
- 45) James Burke leaves us with a behind the scenes view of this production. It's as if he is asking us if we can **TRUST** the facts of this video.