Name # Date Class Period

**History Channel’s Engineering an Empire: Da Vinci’s World**

1. After the Dark Ages, \_\_\_\_\_\_\_\_\_\_ lit up the world. It emerged from the devastating clouds of the Black Death.
2. The enterprise of renaissance engineering is the recovery of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_knowledge.

\* Achieving such genius was a struggle as builders battled unprecedented natural disaster, church dogma, and each other.

1. This Era created a bold new sense that nothing was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**\*476 AD**: The great Roman Empire has collapsed. For centuries, Europe is dominated by a line of German kings who call their domain the **Holy Roman Empire**. But by the 12th century a loose collection of Italian Republics is taking shape. Together they plan to revitalize Europe and engineer the blue print for the modern western world.

1. In the 12th & 13th centuries, Italy is beginning its rebirth because what’s happening is that stability is being reinstituted to the Italian peninsula mainly through the Holy Roman Empire through the system called .
2. New Rulers of the Italian city-states emerge, they are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*Not the traditional aristocracy, not the nobles.

1. Wealth bought power and power could buy \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & architecture
2. The foundation for the Renaissance is the .

\*Everything that happens in the Renaissance from art, to architecture, engineering, literature, all depend upon the city.

1. What resource was necessary for the prosperity of Siena? What engineering feat brought this resource to the city?
2. In 1347, the Black Death struck. According to Giovanni Boccacio, the disease killed so fast “you could lunch with your friends, and dine with your ancestors in Heaven.” One conservative estimate states that Siena lost over \_\_\_\_\_\_% of its population in just a few months.
3. After the Black Death, Siena would never be a major player again in the stage of early modern Italy. It marks the end of Siena’s role and the rise of
4. **Humanism** is an interest in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ world
5. **Renaissance** literally means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or revival.
6. **The Medicis**, one of the wealthiest families in Florence led the way to revitalize Rome and made Florence the new **Athens** What was the centerpiece of this effort?

\*The Duomo is built in the 1200, but it stands without its dome until the 1400’s. **Filippo Brunelleschi** takes on this feat.

1. After losing his competition, where did Brunelleschi go to study ancient architecture?

* What structure did he study?

1. On August 7, 1420, construction of the great dome finally began. Describe some aspects of the process to build the dome in Florence.
2. Which Brunelleschi innovation is a cornerstone of engineering today? ***Single-Point .***
3. This allowed the concept of the to emerge. These advancements lead to modern architecture
4. The radical new ideals that glorified man and human potential were being challenged. The year is 1492, **Columbus** has discovered America. **The Medicis** have been removed from power. **Savanorola** predicts doom for Florence. This evil wind comes in the form of (if you don’t catch it the first time, they say it again.)
5. The greatest architects of the Renaissance were called upon to build
6. What new weapon could destroy medieval walls?
7. What was the benefit of thicker angled walls?

\*These forts were called **bastions**

1. **15th Century Italy:** What former powerhouse is on the rise again?

\*When Florence goes broke. All the happening cats split for Rome.

\*When the Popes moved back to Rome in the 15th century they begin to reorganize the **Papal state**.

1. Pope Sixtus V and the Popes that come after him feel the need to revitalize Rome. To clean up Rome, Sixtus had all the vandals rounded up and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\*When the aqueducts were fixed and the water returned, the population boomed. And the city expanded with new construction.

1. Many people think that it is with the Renaissance that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_culture begins.
2. This period did so much to pull us out of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_