

KOUNTKELVJZFIFMSDVAR

BERKELEY QUESTIONS by David M. Levinson (2)

1. Studies of orbiting galaxies indicate masses ten times greater than adding the mass of all the stars in the galaxy. One explanation involves theoretical particles dubbed WIMPS.

FTP For what does the abbreviation WIMP stand?

\WEAKLY INTERACTIVE MASSIVE PARTICLES\

2. Born 150 miles north-east of Vienna into a Jewish family, he studied medicine and performed research under Ernst Bruecke. Spending time in Paris under Jean-Martin Charcot, he was exposed to patients with various neurosis and hysterias. In 1895 he began his "Project for a scientific psychology" FTP Identify this psychiatric researcher, author of the Interpretation of Dreams.

\Sigmund FREUD\

3. Created in 1966 by Dr. Maulana Karenga, chair of the Black Studies at a California State University campus, it means "First fruits of the harvest" in Swahili. It is centered around seven principles: Unity (Umoja), Self-Determination (Kujichagulia), Collective Work and Responsibility (Ujima), Cooperative Economics (Ujamaa), Purpose (Nia), Faith (Imani) and Creativity (Kuumba). FTP Identify this holiday celebrated Dec. 26 to Jan. 1, principally in the African American community?

\KWANZAA\

4. Discovered by Tom Gray and Donald Johanson in Ethiopia in 1977, enough bones to make up 40% of this female hominid were recovered. FTP identify this example of Australopithecus Aferensis, named for the Beatles song playing at the time.

\LUCY\

5. Meaning "in chapel style" in Italian, this music originally had no organs. Now a group of this name sings on the Carmen San Diego show. FTP What is this type of choral singing without instruments?

\A CAPPELLA\

6. It is equal to the work done when a current of one ampere is passed through a resistance of 1 ohm for 1 second. FTP Identify this unit of energy or work named for a British physicist.

\1 JOULE\

7. "Shoot if you must this old gray head/ But spare your country's flag" were reportedly spoken by this woman, a heroine of Frederick Maryland during the United States Civil War. FTP Who is this subject of a John Greenleaf Whittier poem?

\Barbara FRIETCHIE\

8. Like the word government, it is derived from the Greek word for helmsman. Originated by Norbert Wiener, FTP what science is associated with robotics and feedback control systems?

\CYBERNETICS\

9. From the Latin for "blessed", they are eight saying of Jesus at the beginning of the Sermon on the Mount. FTP what group includes "Blessed are the meek for they shall inherit the earth", and "Blessed are the peacemakers for they shall be called the children of God"?

\BEATITUDES\

10. Energy can be neither created nor destroyed, there is always the same total amount of energy in the universe. FTP Identify this law that says Energy is Conserved.
\The FIRST LAW of THERMODYNAMICS\

11. Wonder Woman may have used this technology, now contained in the F-117 fighter\bomber and the B-2 bomber. Originally considered a joke, FTP what is this technology designed to evade radar?
\STEALTH\

12. "Death be not proud", "No Man is an Island", and "For Whom the Bell Tolls" all come from his poems. FTP Who is this English clergyman?
\John DONNE\

13. A lack of oxygen causes it to be blue, as in blue babies. It picks up oxygen from the lungs and delivers it to tissues, and when carrying oxygen is bright red. FTP Identify these oxygen carrying particles of blood?
\HEMOGLOBIN\

14. "Theirs not to reason why\Theirs but to do and die" FTP are contained in what poem about the Crimean war by Alfred, Lord Tennyson?
\The CHARGE OF THE LIGHT BRIGADE\

15. Considered the father of modern geology, in his 1830 "Principles of Geology" he proposed that the earth is very old. FTP Who is this proponent of uniformitarianism, the idea that the earth is changing very slowly, but continuously?
\Charles LYELL\

16. In Greek, the words mean "high city" FTP What is this collection of ruins in Athens including the Parthenon?
\ACROPOLIS\

17. Rome was saved from by the intervention of Pope Leo I. He was called the "Scourge of God", and that was by his friends. FTP Who is this King of the Huns during the fifth century who conquered most of Eastern and Central Europe?
\ATTILLA the Hun\

18. These repulsive dwarfs live in caves, under bridges, and other hidden places. Typically they steal both children and property, but hate noise. FTP Identify these creatures featured in the story "The Three Billy Goats Gruff"?
\TROLLS\

19. The territory of Wyoming granted it in 1869. Nationally, it was not guaranteed until fifty years. FTP What is this, which is guaranteed by the twentieth amendment of 1920?
\women's SUFFRAGE\

20. From the Latin meaning "to let the decision stand", FTP what expresses the common law doctrine to adhere to precedent?
\STARE DECISIS\