



**Knowledge Bowl
Round Robin III
February 13, 2007**

Host: North High School

Written Round

1 Earthquake Evaluation

The 12-point scale for measuring the intensity of earthquakes is the ---- Scale.

- A. Medici
- B. Vivaldi
- C. Mercalli
- D. Linguini
- E. Botticelli

2 Fabulous Animals

What animal was said to have the body of a lion and the head and wings of an eagle?

- A. griffin
- B. centaur
- C. unicorn
- D. phoenix
- E. chimera

3 Circles

Which must be perpendicular to the radius at the point of contact?

- A. chord
- B. secant
- C. radian
- D. tangent
- E. diameter

4 Philosophical Writings

Marx's "The Communist Manifesto" was published in the same year that ...

- A. the Great Depression began
- B. the Panama Canal was completed
- C. the British burned the White House
- D. Woodrow Wilson became president
- E. gold was discovered at Sutter's mill

5 Islands

The world's twenty largest islands exclude ...

- A. Luzon
- B. Baffin
- C. Hawaii
- D. Sumatra
- E. Madagascar

6 The United Nations

The capital of a nation that is a permanent member of the U.N. Security Council is ...

- A. Cairo
- B. Paris
- C. Ottawa
- D. Brussels
- E. New Delhi

7 Clauses

Which of these subordinate clauses could also be a complete sentence?

- A. where the fish were being cleaned
- B. whom I pulled from beneath the ice
- C. while Sheri was rehearsing her part
- D. which were swimming across the pond
- E. when the truck skidded off the pavement

8 Antibodies

A monoclonal antibody is an antibody prepared in such a way that it reacts only to a single ...

- A. peptide
- B. antigen
- C. hormone
- D. endorphin
- E. saccharide

9 Ancient Sites

Which ancient site was not along the Nile River?

- A. Giza
- B. Thebes
- C. Sparta
- D. Memphis
- E. Heliopolis

10 Musical Geography

Which song is from a musical set in Oceania?

- A. Old Man River
- B. Food, Glorious Food
- C. I Whistle a Happy Tune
- D. The Heather on the Hill
- E. There is Nothing Like a Dame

11 Poetic Vocabulary

In the poem, "On My First Daughter" by Ben Jonson, what is the meaning of "ruth"?

Here lies to each her parent's ruth,
Mary, the daughter of their youth.

- A. joy
- B. pride
- C. anger
- D. sorrow
- E. excitement

12 Parliamentary Procedure

A proposal to immediately suspend consideration of a pending main motion is a motion to ...

- A. amend
- B. close debate
- C. lay on the table
- D. raise a question of right
- E. call for the order of the day

13 Wars

Commodores Stephen Decatur and William Bainbridge exacted submission from the dey of Algiers and the bey of Tunis during the ...

- A. Crimean War
- B. Barbary Wars
- C. War of the Roses
- D. Arab-Israeli Wars
- E. Peloponnesian Wars

14 Chemical Proportions

Seven grams of iron exactly combine with four grams of sulfur to form iron sulfide. How much sulfur will combine with 56 grams of iron?

- A. 28
- B. 32
- C. 34
- D. 36
- E. 38

15 Star Stuff

A cubic inch of matter from which source weighs tens of millions of tons?

- A. protostar
- B. supergiant
- C. binary star
- D. neutron star
- E. main sequence star

16 Nutrition

The greatest number of calories is in a cup of ...

- A. whole milk
- B. apple juice
- C. corn flakes
- D. tomato soup
- E. sunflower seeds

17 Organic Chemistry

Which illustrates anaerobic glucose decomposition?

- A. diffusion
- B. respiration
- C. fermentation
- D. fractional distillation
- E. chromosomal replication

18 Treaties

The three leaders who signed the historic peace treaty of 1979 included Jimmy Carter, Anwar Sadat, and ...

- A. Yassir Arafat
- B. Kemal Ataturk
- C. Menachem Begin
- D. Margaret Thatcher
- E. Abdul Aziz Ibn Saud

19 Law

Lemon laws require ...

- A. athletes to be evaluated for drug use
- B. manufacturers to repair defective cars
- C. industry to reduce particulate emissions
- D. factories to offer workman's compensation
- E. citrus growers to have their fruit inspected

20 Time Frames

The fifteenth century is the time frame for ...

- A. Frankenstein
- B. David Copperfield
- C. Heart of Darkness
- D. The Sound and the Fury
- E. The Hunchback of Notre Dame

21 Logic

Many zaags are zorgs and some zaags are zuugs. No ziig is either a zorg or a zaag. So, ...

- A. no ziig is a zuug
- B. all zorgs are ziigs
- C. all zuugs are zorgs
- D. some ziigs may be zaags
- E. some zorgs may be zuugs

22 Fuel Costs

In the summer of 2000, gas prices soared, especially in the Midwest, where EPA rules required that gasoline be mixed with ...

- A. ethanol
- B. menthol
- C. cholesterol
- D. oil of vitriol
- E. isopropyl alcohol

23 Islands

Which is not in the Mediterranean?

- A. Malta
- B. Crete
- C. Luzon
- D. Corsica
- E. Majorca

24 Trials

In 2001, the Taliban placed eight foreigners on trial for teaching Christianity in Afghanistan, a practice they interpret as violating Islamic holy law, otherwise known as ...

- A. jihad
- B. sharia
- C. hegira
- D. intifadeh
- E. mujahedeen

25 Currencies

The East Caribbean dollar is the currency of ...

- A. Cuba and Jamaica
- B. Belize and Guatemala
- C. Dominica and Grenada
- D. Bahamas and Puerto Rico
- E. Haiti and Dominican Republic

26 Friction

A force of 180 pounds is needed to keep a 600-pound crate moving across a level surface. What is the coefficient of friction?

- A. .20
- B. .30
- C. .40
- D. .50
- E. .60

27 World History

The Land of the Rising Sun was also ...

- A. a source of new world slaves
- B. the homeland of the Cossacks
- C. a site for gladiatorial contests
- D. where samurai warriors trained
- E. the base of the Spanish Armada

28 Mineral Identification

Which has a colorless streak?

- A. silver
- B. sulfur
- C. garnet
- D. graphite
- E. chalcopyrite

29 Legendary Characters

Who is most similar to a legendary figure who lived in the Sherwood Forest?

- A. Rob Roy
- B. Wolf Larsen
- C. Edmond Dantes
- D. Boon Hoggenbeck
- E. Roger Chillingworth

30 Curvaceous Figures

A three-dimensional spiral shape is a ...

- A. helix
- B. cycloid
- C. cardioid
- D. hyperbola
- E. French curve

31 Prisoners

Jonathan Wainwright became a Japanese prisoner when U.S. troops surrendered at ...

- A. Guam
- B. Burma
- C. Saipan
- D. Singapore
- E. Corregidor

32 Voice

Passive voice is not illustrated in which line?

- A. She was believed by few.
- B. He was held hostage by Iranians.
- C. The lion was saved by the mouse.
- D. I was working on the house by the river.
- E. Jenny was mystified by the note on her car.

33 Musical Eras

Who was part of the Big Band Era?

- A. Zubin Mehta
- B. James Taylor
- C. Richard Wagner
- D. Paul McCartney
- E. Benny Goodman

34 Health

Which paralysis affects just the lower part of the body?

- A. diplegic
- B. localized
- C. paraplegic
- D. hemiplegic
- E. tetraplegic

35 Capital Latitudes

Which capital is farthest from the tropic of Capricorn?

- A. Ankara
- B. Pretoria
- C. Asuncion
- D. Windhoek
- E. Wellington

36 Explorers

David Livingstone discovered the ---- River.

- A. Nile
- B. Tigris
- C. Danube
- D. Yangtze
- E. Zambezi

37 Dysentery

Amoebic dysentery ...

- A. is fatal
- B. affects the lungs
- C. is transmitted by fleas
- D. is often treated with sedatives
- E. can be prevented by good hygiene

38 Literary Forms

Will Rogers said, "When you put down the good things you ought to have done, and leave out the bad ones you did do, that's ..."

- A. parody
- B. memoir
- C. biography
- D. nonfiction
- E. melodrama

39 Topological Topics

One of the most famous topological problems in the history of math is the Bridges of ...

- A. Hamburg
- B. Magdeburg
- C. Nuremberg
- D. Konigsberg
- E. Brandenburg

40 Bribes

John Adams was incensed by a bribery demand in the XYZ Affair. These letters stand for French ...

- A. ships
- B. agents
- C. demands
- D. provinces
- E. military units

41 Sound Measurement

The level of normal conversation is ---- decibels.

- A. 10
- B. 60
- C. 90
- D. 110
- E. 130

42 Parts of Speech

In which choice is "low" used as an adverb?

- A. The sun is low in the sky.
- B. Beavis is of low intelligence.
- C. The market fell to a new low.
- D. I am temporarily low in funds.
- E. Speak low when in the library.

43 Sedimentary Rocks

The existence of sedimentary rocks on high mountain tops is evidence for ...

- A. exfoliation
- B. mass wasting
- C. plate tectonics
- D. glacio-fluvial action
- E. hydrothermal metamorphism

44 Constitutional Consequences

An impeached president convicted by the Senate loses his job and ...

- A. goes to jail
- B. pays compensatory fines
- C. must perform public service
- D. is banished from Washington
- E. cannot hold another federal office

45 International Conflicts

The Russo-Japanese War of 1904-1905 was fought for control of ...

- A. Burma and Laos
- B. Manchuria and Korea
- C. Hong Kong and Singapore
- D. Indonesia and New Guinea
- E. the Kuril and Aleutian Islands

46 Inflammations

Which is an inflammation of the most localized part of the body?

- A. neuritis
- B. phlebitis
- C. arthritis
- D. laryngitis
- E. dermatitis

47 Russian Wartime Novels

Tolstoy's novel, "War and Peace," is set during the ...

- A. First World War
- B. Napoleonic Wars
- C. Second World War
- D. Russian Revolution
- E. Russo-Japanese War

48 Mixtures

A 20 to 1 gas to oil ratio is used in a motorcycle engine. How many fluid ounces of oil must be added to 4 gallons of gasoline?

- A. 12.8
- B. 16.4
- C. 21.0
- D. 25.6
- E. 29.5

49 Position Papers

One of Henry Thoreau's essays is "Civil ..."

- A. Expedience
- B. Omniscience
- C. Disobedience
- D. Subservience
- E. Inconvenience

50 Lofty Mountains

The timberline is lowest on Mount ...

- A. Rainier
- B. Whitney
- C. Everest
- D. McKinley
- E. Kilimanjaro

51 Bans

In 2004, the U.S. lifted a travel ban that had been in place since 1988 against which country?

- A. Libya
- B. Taiwan
- C. Ukraine
- D. Vietnam
- E. Sri Lanka

52 Isotopes

The most abundant isotope in the universe is ...

- A. tritium
- B. protium
- C. thorium
- D. nobelium
- E. deuterium

53 Ancient Arts

Ancient Greek sculptors included Phidias and ...

- A. Solon
- B. Myron
- C. Homer
- D. Thales
- E. Sophocles

54 Riders

One would expect to see gauchos riding on the ...

- A. fiords
- B. pampas
- C. steppes
- D. polders
- E. abyssal plains

55 Complements

Which sentence includes a predicate adjective?

- A. Poe wrote "The Black Cat."
- B. One adjective is the word "sly."
- C. Myths have interesting origins.
- D. George was hoarse from yelling.
- E. Fred was the cook for our camp.

56 Imaginary Worlds

Like J.R.R. Tolkien's Middle Earth, Ursula Le Guin created a world of her own called ...

- A. Utopia
- B. Xanadu
- C. Earthsea
- D. Shangri-la
- E. Brobdingnag

57 Prime Quotients

What is the quotient when you divide the first prime number smaller than 100 by the first prime number larger than 8?

- A. 5.242
- B. 6.412
- C. 7.666
- D. 8.818
- E. 9.713

58 Legislative Acts

Which act was passed over President Wilson's veto?

- A. Volstead
- B. Homestead
- C. War Powers
- D. Clean Water
- E. Voting Rights

59 Global Changes

2003 marked the twenty-fifth consecutive year in which ...

- A. sea level had gone down
- B. Earth's orbital speed had slowed
- C. ultraviolet radiation had decreased
- D. upper atmosphere ozone had increased
- E. global temperature had been above normal

60 Curves

A sigmoid growth curve results from graphing the two factors of time and ...

- A. body weight
- B. population size
- C. free-fall velocity
- D. radioactivity levels
- E. frequency of comets