

Horizon Invitational Knowledge Bowl

Written Round - 2014

1 Volcanoes

Which is an effusive volcano?

- A. Kilauea
- B. Krakatoa
- C. Mt. Pelee
- D. Mt. Vesuvius
- E. Mt. St. Helens

2 Economic Materials

Capital goods include ...

- A. the fixed assets of a factory
- B. an inventory of refrigerators
- C. yarn bought by a carpet maker
- D. robots used to build automobiles
- E. coal still unextracted from mines

3 Signs

In which war was this sign seen?

You are now crossing the 38th parallel
compliments of 2nd Battalion 7th Infantry.

- A. Korean War
- B. World War I
- C. World War II
- D. Vietnam War
- E. Spanish-American War

4 Zoology

Most mammals are ...

- A. oviparous
- B. viviparous
- C. biviparous
- D. ovoviparous
- E. vivobiviparous

5 In a Fog

Which site has the greatest number of hours of fog annually?

- A. Cape Cod
- B. Cape Coral
- C. Cape Girardeau
- D. Cape Canaveral
- E. Cape Disappointment

6 Inventions

A kinetoscope was used in the world's first ...

- A. planetarium
- B. movie house
- C. assembly line
- D. space station
- E. hydroelectric dam

7 Numbers

A perfect number such as 28 is the sum of all its divisors except itself. What is the next smaller perfect number?

- A. 6
- B. 8
- C. 10
- D. 12
- E. 14

8 Reformer's Remarks

Who made this observation?

I have yet to hear a man ask for advice on how to combine marriage and a career.

- A. Willa Cather
- B. Carry Nation
- C. Nancy Reagan
- D. Gloria Steinem
- E. Eleanor Roosevelt

9 Legal Codes

What was first put into effect in the city-state of Athens?

- A. Draco's code
- B. Justinian Code
- C. code of Bushido
- D. Napoleonic Code
- E. Code of Hammurabi

10 The N-n-n-nervous System

Which neuron is not paired with its location?

- A. maxillary nerve - jaw
 - B. coccygeal nerve - elbow
 - C. radial nerve - lower arm
 - D. sciatic nerve - upper leg
 - E. intercostal nerve - between ribs
-

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11 U.S. Constitution

Newspaper publishers claim a right to print classified information leaked to them by the government under the ...

- A. elastic clause
 - B. First Amendment
 - C. implied powers clause
 - D. general welfare clause
 - E. Preamble to the Constitution
-

12 Imaginary Lands

Which fictional land was created by Jonathan Swift?

- A. Laputa
 - B. Xanadu
 - C. Avalon
 - D. Goshen
 - E. Shangri-la
-

13 History of Science

To whose theory was Benjamin Disraeli referring when he said, "If man is either an ape or an angel, then I am on the side of the angels"?

- A. Isaac Newton
 - B. William Harvey
 - C. Charles Darwin
 - D. Albert Einstein
 - E. Ernest Rutherford
-

14 Short Stories

The old man in "The Tell-Tale Heart" had a ...

- A. hunchback
 - B. hooked nose
 - C. scarred face
 - D. menacing grin
 - E. vulturelike eye
-

15 Florid Poetry

What word is missing in this verse?

Gather ye ---- while ye may, / Old Time is still a-flying, / And this same flower that smiles today, / Tomorrow will be dying.

- A. lilies
 - B. petals
 - C. rosebuds
 - D. blossoms
 - E. wildflowers
-

16 Earth Science Vocabulary

Where would you find a hummock?

- A. in an icefield
 - B. on a sandy beach
 - C. on the side of a steep cliff
 - D. beneath a breaking ocean wave
 - E. at the top of a cumulonimbus cloud
-

17 Battles

Which battle took place on New Guinea?

- A. Tobruk
 - B. Rabaul
 - C. Salamis
 - D. Borodino
 - E. San Jacinto
-

18 Celebrations

Groundhog Day is an American version of a much older celebration of a cross-quarter day, a day halfway between a solstice and an equinox. Which holiday is another cross-quarter day?

- A. Easter
 - B. Labor Day
 - C. Christmas
 - D. Halloween
 - E. New Year's Day
-

19 Ancient Founders

Cecrops founded ...

- A. Rome
 - B. Attica
 - C. Jericho
 - D. Carthage
 - E. Byzantium
-

20 Sentence Analysis

What is not in this example?

Life is like playing a violin in public and learning the instrument as one goes on.

- A. simile
 - B. adverb clause
 - C. gerund phrase
 - D. indefinite pronoun
 - E. compound sentence
-

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21 Linguistics

Sanskrit did not evolve into ...

- A. Urdu
 - B. Hindi
 - C. Maori
 - D. Punjabi
 - E. Bengali
-

22 Electricity

Piezoelectricity is generated when certain crystals are subjected to ...

- A. cold
 - B. stress
 - C. humidity
 - D. radiation
 - E. magnetism
-

23 Sentence Patterns

What sentence pattern is illustrated below?

Bullwinkle was a moose.

- A. S-V
 - B. S-V-O
 - C. S-LV-N
 - D. S-V-IO-O
 - E. S-V-O-OC
-

24 Atomic Numbers

Which element is clearly not paired with its atomic number?

- A. carbon - 6
 - B. silver - 47
 - C. lithium - 71
 - D. uranium - 92
 - E. aluminum - 13
-

25 Precipitation

Which receives the highest average annual precipitation?

- A. Nevada
 - B. Georgia
 - C. Nebraska
 - D. New Mexico
 - E. South Dakota
-

26 Retirement

Which is an employee retirement plan?

- A. P-51
 - B. 401K
 - C. 2-4 D
 - D. RS232
 - E. RU 486
-

27 Civil War

Which event of the Civil War occurred last?

- A. fall of Fort Sumter
 - B. Battle of Gettysburg
 - C. First Battle of Bull Run
 - D. Capture of New Orleans
 - E. Sherman's March to the Sea
-

28 Wrinkles

Two substances that help prevent skin from wrinkling are elastin and ...

- A. myelin
 - B. insulin
 - C. gastrin
 - D. collagen
 - E. glycogen
-

29 Nasty Nosebleeds

There is evidence suggesting that ---- suffered a severe nosebleed and choked to death.

- A. Socrates
 - B. Archimedes
 - C. Attila the Hun
 - D. Marcus Brutus
 - E. Czar Nicholas II
-

30 Presidential Wives

Which is the maiden name of the first lady whose husband was in office most recently?

- A. Mary Todd
 - B. Abigail Smith
 - C. Rosalynn Smith
 - D. Jacqueline Lee Bouvier
 - E. Martha Dandridge Custis
-

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31 Sacred Texts

The Upanishads are mystical scriptures of ...

- A. Jews
 - B. Hindus
 - C. Shintos
 - D. Moslems
 - E. Zoroastrians
-

32 Literary Forms

Which is an example of a polemic?

- A. Paine's "The American Crisis"
 - B. Ionesco's "The Bald Soprano"
 - C. Keillor's "Lake Wobegon Days"
 - D. Verne's "The Mysterious Island"
 - E. William's "Cat on a Hot Tin Roof"
-

33 Skin Conditions

Dermatophytosis such as ringworm is caused by a(n)

...

- A. virus
 - B. fungus
 - C. annelid
 - D. amoeba
 - E. bacterium
-

34 Song Lyrics

These are the first two lines of what song?

- Yo - heave ho!
 - Yo - heave ho!
 - A. Blue Danube
 - B. Old Man River
 - C. The Erie Canal
 - D. Camptown Races
 - E. The Volga Boatmen
-

35 Particle Charges

Two oppositely charged particles exert a force on each other in accordance with Coulomb's law. The charge on one of them is doubled and the distance between them is also doubled. The new force is ...

- A. the same
 - B. twice as much
 - C. one half as much
 - D. four times as much
 - E. one fourth as much
-

36 Earth Science Classifications

These are classifications of what?

- chernozem, udalf, normudalf, brunizem, podzol, latosol
 - A. soils
 - B. stars
 - C. storms
 - D. comets
 - E. volcanoes
-

37 Federal Projects

Which was not a project of the Bureau of Reclamation?

- A. Klamath Project
 - B. Manhattan Project
 - C. North Platte Project
 - D. Central Valley Project
 - E. Columbia Basin Project
-

38 Famines

In the mid-1840s, failed potato crops in ---- led to the emigration of over one million of its people.

- A. Italy
 - B. Spain
 - C. France
 - D. Ireland
 - E. Germany
-

39 History of Russia

Who organized the Red Army, advocated world revolution, and was defeated for party leadership by Stalin after the death of Lenin?

- A. Trotsky
 - B. Vladimir
 - C. Malenkov
 - D. Khrushchev
 - E. Ivan the Terrible
-

40 History of Drama

What religious group forced the closing of all the English theaters during Shakespeare's time?

- A. Puritan
 - B. Mormon
 - C. Anglican
 - D. Lutheran
 - E. Roman Catholic
-

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41 Adaptations

When the dry season comes, what creatures wriggle down into the mud where mucus glands secrete a watertight film around their bodies?

- A. starfish
 - B. lungfish
 - C. crayfish
 - D. bonefish
 - E. anglerfish
-

42 Plant Art

A stylized representation of what leaf was used by many Renaissance sculptors to conceal the groin of male statues?

- A. fig
 - B. olive
 - C. lotus
 - D. laurel
 - E. myrtle
-

43 Mideast Journalism

Which is a news agency in Qatar?

- A. Al Fatah
 - B. Al Qaeda
 - C. Al Rashid
 - D. Al Jazeera
 - E. Al Yankovic
-

44 Literature

"The Rime of the Ancient Mariner" was written by ...

- A. Kipling
 - B. Whittier
 - C. Coleridge
 - D. Longfellow
 - E. Wordsworth
-

45 Inverse Proportions

The teacher of a woodcarving class with twenty students has enough bandages to last for six hours. How many fewer hours will the bandages last if four additional students join the group?

- A. 0.4
 - B. 0.6
 - C. 0.8
 - D. 1.0
 - E. 1.2
-

46 Laboratory Equipment

Liquid air may be stored in a ...

- A. retort
 - B. burette
 - C. condenser
 - D. thistle tube
 - E. Dewar flask
-

47 Grounded

The world's fleet of what wide-body, twin-engine aircraft was temporarily grounded in 2013 due to apparent problems with its lithium ion batteries?

- A. Skyliner
 - B. Sunliner
 - C. Blissliner
 - D. Cloudliner
 - E. Dreamliner
-

48 Togetherness Math

To whitewash a fence, it would take Tom 4 hours, Huck 3 hours, and Becky 5 hours. If they work together, it will take about ---- minutes.

- A. 51
 - B. 64
 - C. 77
 - D. 88
 - E. 92
-

49 Vaccinations

Live vaccines contain weakened forms of the virus that causes the disease. Such viruses are said to be ...

- A. alleviated
 - B. abrogated
 - C. annihilated
 - D. attenuated
 - E. accentuated
-

50 Special Angles

Which is not a quadrantal angle?

- A. -90
 - B. 450
 - C. 270
 - D. 520
 - E. -360
-

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51 Short Stories

Who conducts an experiment on a withered rose that had bloomed fifty-five years earlier?

- A. Dr. Jekyll
 - B. Dr. Watson
 - C. Dr. Heidegger
 - D. Dr. Livingstone
 - E. Dr. Frankenstein
-

52 Slavery

Who believed that there was a "higher law" than the Constitution in claiming that slavery was morally wrong?

- A. Robert E. Lee
 - B. William Seward
 - C. Jefferson Davis
 - D. William Quantrill
 - E. Alexander Stephens
-

53 Time

For what does the Z stand in the time notation, 1830Z?

- A. Zulu
 - B. Zuni
 - C. Zurich
 - D. Zugspitze
 - E. Zuckerman
-

54 Spoonerisms

Which phrase does not illustrate a spoonerism?

- A. a blushing crow
 - B. an initial seminar
 - C. a well-boiled icicle
 - D. our queer old dean
 - E. our shoving leopard
-

55 Aviation Bearings

A plane with a relative bearing of 300 degrees would be reported as being at ---- o'clock.

- A. 2
 - B. 3
 - C. 6
 - D. 10
 - E. 12
-

56 Art Techniques

Which is not a technique used to create an illusion of depth?

- A. symmetry
 - B. shadowing
 - C. convergence
 - D. superposition
 - E. vanishing point
-

57 Military Schemes

The Anaconda Plan was developed to defeat the ...

- A. Nazis
 - B. Apaches
 - C. Redcoats
 - D. Mexicans
 - E. Confederates
-

58 Islands

Which island emerges from a continental shelf?

- A. Fiji
 - B. Oahu
 - C. Guam
 - D. Iceland
 - E. Sri Lanka
-

59 Island Groups

The Lesser Antilles are immediately north of ...

- A. Cuba
 - B. Honduras
 - C. Venezuela
 - D. the Bahamas
 - E. the Yucatan Peninsula
-

60 Polynesian Purchasing

Ted Tutty bought twelve tom turkey toes for twenty-two talas in Western Samoa. When he went back for two and a half gross of the same, how many talas did he pay?

- A. 330
 - B. 440
 - C. 550
 - D. 660
 - E. 770
-