

Name: _____

Date: _____

- 1 On which asteroid did NEAR land, discovering a surface strewn with craters?
 - A Amor
 - B Eros
 - C Ida
 - D Mathilde

- 2 Correct the following sentence in regards to the appearance of comets:
Pressure from the planets causes the gas vapor and dust particles in the nucleus to fan out from the head in the direction of the Sun.
 - A Pressure from sunlight causes the frozen rocks in the nucleus to fan out from the head in direction of the Sun.
 - B Pressure from the planets causes the gas vapor and dust particles in the nucleus to fan out from the head in the direction of the Sun.
 - C Pressure from sunlight causes the gas vapor and dust particles in the coma to fan out from the head in the opposite direction of the Sun.
 - D None of the above are correct

- 3 What results did the Deep Impact mission report? (Input all that apply, then push the ENTER button.)
 - A Impact did not penetrate the comet's core
 - B Contained less water than expected
 - C Tightly packed rather than loose materials
 - D None of the above

- 4 A meteor usually burns up before it hits the Earth. If it doesn't it is called a(n) _____.
 - A meteorite
 - B ultra-meteor
 - C meteormite
 - D comet

- 5 Match the meteorite Siderite with the descriptions below.(Input all that apply and then push the enter button)
 - A Composed of 90% iron.
 - B Theorized to have come from a former planet's crust.
 - C A 60 ton specimen exists in Africa.
 - D Theorized to have come from a former planet's core.
 - E None of the above

- 6 An astronomical object in direct orbit around the Sun that is neither a planet nor originally classified as a comet
 - A Meteors
 - B Minor planets
 - C Asteroids
 - D Moons
- 7 A region of space beginning at 50,000 AU from the Sun and extending half-way to the nearest star
 - A Oort Cloud
 - B Oort Comet
 - C Elliptical orbit
 - D Kuiper Belt
- 8 A chunk of rock or metal orbiting in space, similar to an asteroid but much smaller, by current convention not exceeding a meter in size
 - A Coma
 - B Meteoroid
 - C Meteor
- 9 A meteor brighter than any of the planets
 - A Fireball
 - B Siderites
 - C Meteorite
 - D Iceball
- 10 A meteorite that is composed of oxygen, silicon, magnesium, and some iron
 - A Siderites
 - B Aerolites
 - C Tektites
 - D Meteorites

- 11 What is the cause of meteor showers?
 - A The break-up of man-made satellites falling back into the Earth's atmosphere
 - B Remnants of broken-up comets
 - C Remnants of broken-up asteroids
 - D Pockets of hydrogen and helium gas trapped within the solar system
 - E All of the above
- 12 What famous comet has a period of around 75 years, making it a frequent sight over the history of mankind?
 - A The comet Kohoutek
 - B Hale-Bopp
 - C Halley's comet
 - D The Shoemaker-Levy comet
- 13 Which of the following facts about asteroids is False?
 - A They appear to be irregular-shaped chunks of rock and metallic substances.
 - B Some asteroids are large enough to have atmospheres.
 - C They all seem to revolve around the Sun in the same direction as the larger planets.
 - D All of the above facts are true.
- 14 What are comets commonly named after?
 - A Mythological figures
 - B The person or persons who first discovered them.
 - C Mountain ranges on Earth
 - D Great astronomers from history
- 15 The region out beyond the orbit of Pluto believed to be full of comets is known as what?
 - A The Meteor Belt
 - B The Kuiper Belt
 - C The Asteroid Belt
 - D The Heliopause

- 16 Most comets appear to have originated in the
- A Asteroid Belt
 - B Kuiper Belt
 - C Oort Cloud
 - D Coma Belt
- 17 Comets are believed to be composed of
- A hydrogen and oxygen
 - B nitrogen and sodium
 - C frozen gases and dust
- 18 A meteorite is a space object which
- A is a small (less than 1 meter) meteor
 - B burns up in the Earth's atmosphere
 - C hits the Earth's surface
- 19 In 1894 Admiral Robert Peary found the largest object from space ever found in the western hemisphere. In what country was it discovered?
- A Iceland
 - B America
 - C Greenland
 - D France
- 20 Astronomers believe that meteoroids originated from the fragments of a shattered planet within the
- A meteor belts
 - B auroias zones
 - C asteroid belt
 - D sun zones

Answer Key: NS2-M3C16 - Asteroids, Comets, and Meteorites (Exam)

Question:	Answer
1	B
2	C
3	ABC
4	A
5	ACD
6	B
7	A
8	B
9	A
10	B
11	B
12	C
13	B
14	B
15	B
16	C
17	C
18	C
19	C
20	C