

JpGU 2022 Quiz Rally

Question	Q1.What is the mascot character of the Center for Spatial Information Science?
Hint	Center for Spatial Information Science, The University of Tokyo
Options	(1) Chris & Jack (2) Cook & Joe (3) Cue & Bear (4) Ai & Luck

Question	Q2.Which is NOT appropriate as the features of satellite remote sensing?
Hint	Remote Sensing Society of Japan
Options	(1) wide area simultaneity (2) repetitiveness (3) multi-wavelength (4) single-wavelength

Question	Q3.The impact factor of PEPS is increasing every year. What is the latest impact factor (2 years) of PEPS announced in June last year?
Hint	Progress in Earth and Planetary Science
Options	(1) 2.508 (2) 2.874 (3) 3.604 (4) 3.784

Question	Q4.Please select the correct combination of gases that TANSO-3 of Global Observing SATellite for Greenhouse gases and Water cycle (GOSAT-GW) observes as the primary targets from the followings.
Hint	Satellite Observation Center, National Institute for Environmental Studies, Japan
Options	(1) Carbon Dioxide (CO <sub>2</sub> ), Methane (CH <sub>4</sub> ), Nitrogen Dioxide (NO <sub>2</sub> ) (2) Ozon (O <sub>3</sub> ), Methane (CH <sub>4</sub> ), Hydrofluorocarbons (HFCs) (3) Carbon Dioxide (CO <sub>2</sub> ), Methane
Question	Q5.The Thirty Meter Telescope (TMT) is a next generation telescope with an aperture of 30m. Which electromagnetic waves can be seen with TMT?
Hint	National Astronomical Observatory of Japan,TMT Project /ALMA Project
Options	(1) Radio waves (2) X-rays (3) Visible light (4) Gamma rays

Question	Q6.Guess the minimum extent of sea ice in the Arctic Ocean in 2020. How many times the size of Japan is it?
Hint	Arctic Challenge for Sustainability II (ArCS II)
Options	(1) About 5 times (2) About 10 times (3) About 15 times (4) About 20 times

Question	Q1.Which of following minerals has rhombohedral cleavage?
Hint	The Japan Association of Mineralogical Sciences (JAMS)
Options	(1) Quartz (2) Muscovite (3) Calcite (4) Fluorite

Question	Q2.What is the name of our society?
Hint	The Society for the Study of the Origin and Evolution of Life : Asrobiology-Japan, SSOEL:Astrobiology-Japan
Options	(1) Japanese Society for the Study of the Origin and Evolution of Life (2) The Society for the Study of the Origin and Evolution of Life: Exobiology-Japan (3) Japanese Society for the Study of Astrobiology (4) The Society for the Study of the Origin and
Question	Q3.At the Computer Koshien 2022, where the finals will be held on November 5 and 6, 2022, the "Ichimai no What is the theme of the CG Picture Division?
Hint	The University of Aizu
Options	(1) onkochishin (2) ishindenshin (3) juunintoiro (4) nisshingeppo

Question	Q4.What parts of the R/V "Hakuho Maru" that have been renovated have changed significantly in appearance?
Hint	Atmosphere and Research Institute, the University of Tokyo
Options	(1) The deck area has doubled. (2) The funnel became larger and more square. (3) The color of the hull became dark blue. (4) Nothing has changed on the outside.

Question	Q5.JAXA provides large amounts of data on hourly rainfall distribution around the world over the past 20 years. What is its name?
Hint	JAXA Earth Observation Research Center
Options	(1) AW3D (2) GSMaP (3) Today's Earth (4) Sate Life

Question	Q6.The hardest bulk material in the world is HIME-Diamond, made of polycrystalline diamond with nano-size grains, developed by the Geodynamics Research Center, Ehime University. This diamond is also called "NPD". What does NPD stand for?
Hint	Geodynamics Research Center, Ehime University
Options	(1) Nano-Polycrystalline Diamond (2) Newly Polished Diamond (3) Novel Powder Diamond (4) Natural Plane Diamond

Question	Q1.ISEE contributes the education of graduate students with three graduate schools in Nagoya University. Which graduate school is not directly related with the education at ISEE?
Hint	A01 ISEE, Nagoya University
Options	(1) Science (2) Engineering (3) Bioagricultural Sciences (4) Environmental Studies
Question	Q2.Our department consists of several "core groups". How many core groups are there?
Hint	A10 Department of Earth and Planetary Science, Graduate School of Science, The University of Tokyo
Options	(1) 3 (2) 4 (3) 5 (4) 6

Question	Q3.What is the abbreviation for Geological Survey of Japan?
Hint	A17,18 Geological Survey of Japan, AIST
Options	(1) GSJ (2) JGS (3) GSOJ (4) GEOJ

Question	Q4.Which of the following is the satellite release speed of the Cube Satellite Deployment Service from the International Space Station?
Hint	A34 Mitsui Bussan Aerospace Co.,Ltd.
Options	(1) 0.22~0.5m/sec (2) 0.77~1.7m/sec (3) 5.8~8.2m/sec (4) 10.6~12.3m/sec

Question	Q5.The annual meeting of the Geochemical Society of Japan this year will be held in a prefecture where the outcrops of the Shimanto Belt (accretionary prism) can be found. At the outcrops, plate tectonics theory was demonstrated on land for the first time
Hint	Soc05 Geochemical Society of Japan
Options	(1) Aichi (2) Aomori (3) Kochi (4) Tokyo
Question	Q6.Which of the following book was published by Asakura Publishing Co.,Ltd.?
Hint	Pub09 Asakura Publishing Co., Ltd.
Options	(1) Geography of Japan (2) Geography of Kanto (3) Geography of Tokyo (4) Geography of Makuhari

Question	Q7.What is the name of the mascot character of our program?
Hint	Univ02 The International Joint Graduate Program in Earth and Environmental Sciences, Tohoku University
Options	(1) Chikyu-kun (2) Gpees (3) Chikyumaru (4) Chikkyu-san

Question	Q1.What does SACLA stands for?
Hint	A02 SPring-8/SACLA Japan Synchrotron Radiation Research Institute
Options	(1) It was constructed in a location where there were cherry trees. (2) Abbreviation for Scientific Agency Campus Linked Accelerator. (3) Acronym of SPring-8 Angstrom Compact Free Electron Laser. (4) From a mascot character named SACLA.

Question	Q2.The Kochi Core Center (KCC) is one of the three major IODP Core Repositories in the world. What is the current length of the core samples stored at the KCC?
Hint	A07,08 Earth Scientific Drilling Booth
Options	(1) 1.46km (2) 14.6km (3) 146km (4) 1460km

Question	Q3.The Thirty Meter Telescope (TMT) is a next generation telescope with an aperture of 30m. Which electromagnetic waves can be seen with TMT?
Hint	A13 National Astronomical Observatory of Japan,TMT Project /ALMA Project
Options	(1) Radio waves (2) X-rays (3) Visible light (4) Gamma rays

Question	Q4.HIME-Diamond, developed by the Geodynamics Research Center, Ehime University, is the hardest material in the world. Which tool is exhibited in the exhibition booth A-19?
Hint	A19 Geodynamics Research Center, Ehime University
Options	(1) A pen that can write and draw on glass using HIME-Diamond diamond as a nib (2) A pencil with a smooth writing feel, mixed with HIME-Diamond powder (3) A
Question	Q5.Which floating stone on display at AAS booth?
Hint	A30 Asia Air Survey co., Ltd.
Options	(1) floating pumice from Fukutokuokanoba (2) floating pumice from Tonga (3) White pumice of fuji hoei eruption at 1707 (4) pumice of Ito pyroclasticflow

Question	Q6.Gold Open Access Journal EPS; What does EPS stand for?
Hint	JpGU & Friends Earth, Planets and Space
Options	(1) Earth, Planets and Space (2) Encapsulated PostScript (3) Electric Pipe Shaft (4) Emergency Power System

Question	Q7. There are various methods of geophysical exploration to investigate subsurface structures. Which of the following methods involves passing an electric current through the earth to determine the resistivity distribution in the subsurface?
Hint	Soc09 The Society of Exploration Geophysicists of Japan
Options	(1) Electro-magnetic exploration (2) Electrical exploration (3) Magnetic exploration (4) Ground-penetrating radar exploration

Question	Q1. What number of generation of the EARTH SIMULATOR in JAMSTEC?
Hint	A09 Japan Agency for Marine-Earth Science and Technology
Options	(1) 1st generation (2) 2nd generation (3) 3rd generation (4) 4th generation

Question	Q2. What is the abbreviation of "Hiroshima Institute of Plate Convergence Region Research" in Hiroshima University, Japan?
Hint	A15 Hiroshima Institute of Plate Convergence Region Research (HiPeR)
Options	(1) HiPeR (2) Hyper (3) Wooper (4) Looper

Question	Q3. You can find several mock-ups of analytical tools for electron microscopy at the Oxford Instruments booth. How many Energy Dispersive X-ray Spectroscopies (EDS) are exhibited?
Hint	A21 Oxford Instruments KK
Options	(1) One (2) Two (3) Three (4) Four

Question	Q4. What is the research theme that we are NOT conducting at Earthquake Research Institute?
Hint	A32 Earthquake Research Institute
Options	(1) 1) Slow earthquake and great earthquake (2) 2) Earthquake Hazard simulation (3) 3) Observation of volcanoes (4) 4) Evolution of earth's surface environment

Question	Q5. What is the vision of Academist Inc. ?
Hint	Pub04 Academist Inc.
Options	(1) Contribute to the future of academia. (2) Open academia, Make innovative world. (3) Make the future of researchers. (4) Connect academia and world.

Question	Q6.Which material is NOT targeted by the Geochemical Society of Japan as a subject of geochemistry in the following materials?
Hint	Soc05 Geochemical Society of Japan
Options	(1) Rock, Sediment, Meteorite (2) Atmosphere, Volcanic gas (3) Organism (4) Any materials related to the Earth and Planetary are targeted as a subject of geochemistry