



Quiz Rally 2023

Online Course

Quiz	Q.1 A map created using by a 3D Map creator software “Surfer” is exhibited on our booth. Where place is drawn by this map?
Exhibitor	[A31] LightStone Corp.
Options	(1)Mt. Yarigatake (2) Izu Oshima Island (3) Tottori Sand Dunes (4) Lake Toya

Quiz	Q.2 What is a tornillo?
Exhibitor	[Online] Tornillo Scientific (language editing)
Options	(1)A small tree (2) A type of low-frequency earthquake (3) A town in Texas (4) All of the above

Quiz	Q.3 PEPS promotes Review Articles which may serve as useful contents of summaries of the newest developments in the wide fields of Earth and Planetary Science. What is the edition of the Review Paper Abstracts that has just been released?
Exhibitor	[JpGU & Friends] Progress in Earth and Planetary Science (PEPS)
Options	(1)1st edition (2) 2nd Edition (3) 3rd Edition (4) 4th Edition

Quiz	Q.4 Which can be seen well by ALMA's observation of radio wave?
Exhibitor	[A36] National Astronomical Observatory of Japan, TMT Project/ALMA Project
Options	(1)Black hole merger (2) Cosmic microwave background radiation (3) Solar corona (4) Dust and gas which are planet material

Quiz	Q.5 What is the name of the character, who is appearing on JpGU twitter ?
Exhibitor	[JpGU & Friends] JpGU
Options	(1)Chiwaku-kun (2) chikuwa-chan (3) Mantle Boy (4) Dr. Structural Sensitivity of Rocks and Minerals



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On-site Course 1

Quiz	Q.1 What is the maximum pressure we can generate using the Kawai-type multianvil apparatus?
Exhibitor	[A15] The Institute for Planetary Materials Okayama University
Options	(1)25 GPa (2) 120 GPa (3) 135 GPa (4) 330 GPa

Quiz	Q.2 A map created using by a 3D Map creator software "Surfer" is exhibited on our booth. Where place is drawn by this map?
Exhibitor	[A31 and Online] LightStone Corp.
Options	(1)Mt. Yarigatake (2) Izu Oshima Island (3) Tottori Sand Dunes (4) Lake Toya

Quiz	Q.3 How many letters did the "Minna de Honkoku" transcribe?
Exhibitor	[Pub25] Minna de Honkoku
Options	(1)30 letters (2) 30,000 letters (3) 30,000,000 letters (4) 30,000,000,000 letters

Quiz	Q.4 Choose the correct location and meeting dates of AOGS2024 21st Annual Meeting
Exhibitor	[JpGU & Friends] AOGS
Options	(1)Singapore 30 July - 4 August (2) Pyeongchang, Gangwon-Do 23 June - 28 June (3) Singapore 27 July - 1 August (4) Melbourne 23 August - 28 August

Quiz	Q.5 It has been X years since we released "YURE MON", a seismometer which uses MEMS accelerometer.
Exhibitor	[A11] Knowledge Foresight.Inc
Options	(1)10 (2) 5 (3) 8 (4) 3

Quiz	Q.6 What kind of fossil did you find at the exhibition booth of Kyoto University?
Exhibitor	[A46,A47] Kyoto University Geoscience Union
Options	(1)dinosaur (2) trilobite (3) shark tooth (4) ammonite

Quiz	Q.7 Which freezes at the lowest temperature?
Exhibitor	[Soc01,Soc02] The Oceanographic Society of Japan
Options	(1)Lake Biwa water (2) Dead Sea water (3) Arctic surface water (4) Soy Sauce



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On-site Course 2

Quiz	Q.1 What is the acronym for the land-based scientific drilling program?
Exhibitor	[A42] Earth Scientific Drilling Booth
Options	(1)IODP (2) IOC (3) IMG (4) ICDP

Quiz	Q.2 Which of the "Research Program" currently available at Research Institute for Humanity and Nature is not?
Exhibitor	[A05] Research Institute for Humanity and Nature
Options	(1)Global Environmental Culture Program (2) Combining Knowledge for a Fundamental Innovation of Land Use (3) Co-creation of the earth-human system (4) Ecosophy Program

Quiz	Q.3 What is the abbreviation for Hiroshima Institute of Plate Convergence Region Research, Hiroshima University?
Exhibitor	[A01] Hiroshima Institute of Plate ConvErgence Region Research (HiPeR)
Options	(1)Hyper (2) HiPeR (3) Whopper (4) Helper

Quiz	Q.4 PEPS promotes Review Articles which may serve as useful contents of summaries of the newest developments in the wide fields of Earth and Planetary Science. What is the edition of the Review Paper Abstracts that has just been released?
Exhibitor	[F06] Progress in Earth and Planetary Science (PEPS)
Options	(1)1st edition (2) 2nd Edition (3) 3rd Edition (4) 4th Edition

Quiz	Q.5 Emriver modeling media is made of recycled, ground melamine plastic. It is color coded by size. What color is the second largest sediment ?
Exhibitor	[A13] Little River Research & Design Japan
Options	(1)It's yellow. (2) It's blue. (3) It's red. (4) It's white.

Quiz	Q.6 A revolutionary technology, DAS. that uses optical fibers mounted on submarine cables as seismometers can greatly increase the number of seismic observation points. What is the official name for this technology, called DAS? (Hint: ERI Newsletter Plus
Exhibitor	[Univ10] Earthquake Research Institute, The University of Tokyo
Options	(1)Direct Attached Storage (2) Digital Assort System (3) Distributed Acoustic Sensing (4) Distributed Antenna System

Quiz	Q.7 How many species of radiolarians are listed in the evolutionary phylogenetic model of the genus Eucyrtidiellum?
Exhibitor	[Pub04] RC GEAR
Options	(1)15 type (2) 17 type (3) 19 type (4) 21 type



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On-site Course 3

Quiz	Q.1 What is the abbreviated name for multibeam echo sounder, a survey instrument that measures seafloor topography with high precision and efficiency ?
Exhibitor	[A40] Marine Works Japan Ltd.
Options	(1)MWJ (2) ADCP (3) MBES (4) ROV

Quiz	Q.2 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?
Exhibitor	[A54] Geodynamics Research Center, Ehime University
Options	(1)Natural Plane Diamond (2) Novel Powder Diamond (3) Newly Polished Diamond (4) Nano-Polycrystalline Diamond

Quiz	Q.3 Which of the following is the incorrect name of the observational instrument that will be installed on TMT?
Exhibitor	[A36] National Astronomical Observatory of Japan, TMT Project/ALMA Project
Options	(1)IRIS (Infrared Imaging Spectrometer) (2) WFOS (Wide-Field Optical Spectrometer) (3) MDHIS (Multi-Objective Diffraction-limited High-Resolution Infrared Spectrograph) (4) NFIRAOS (Narrow Field InfraRed Adaptive Optics System)

Quiz	Q.4 What is the theme of the PC Koshien 2023 to be held at the University?
Exhibitor	[Univ06] University of Aizu
Options	(1)28 (2) 29 (3) 30 (4) 31

Quiz	Q.5 When did the ELSI start the Earth-Life Science graduate programme?
Exhibitor	[A30] Earth-Life Science Institute (ELSI), Tokyo Institute of Technology
Options	(1)In 2012 (2) In 2022 (3) In 2020 (4) In 2015

Quiz	Q.6 Our department consists of several "core groups". How many core groups are there?
Exhibitor	[A22] Department of Earth and Planetary Science, Graduate School of Science, The University of Tokyo
Options	(1)3 (2) 4 (3) 5 (4) 6

Quiz	Q.7 Which material is "not" targeted by the Geochemical Society of Japan as a subject of geochemistry among the following materials: sediment, meteorite, atmosphere, ocean, and mantle?
Exhibitor	[Soc05] Geochemical Society of Japan
Options	(1)sediment, meteorite (2) atmosphere, ocean (3) mantle (4) none of them



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On-site Course 4

Quiz	Q.1 Which is the correct combination of official name(s) with SPring-8 and SACLA
Exhibitor	[A50] Japan Synchrotron Radiation Research Institute
Options	(1) Super Photon ring-8 GeV/Since Autumn Coherent Laser Adjusted (2) Special Power ring-8 GeV/Super Angstrom Coherent LASer (3) Silently Penetrated ring 8/SPring-8 Angstrom Compact free electron LASer (4) Super Photon ring-8 GeV/SPring-8 Angstrom Compact f

Quiz	Q.2 EPS (Earth, Planets and Space) is a fully open access e-journal, and features relatively low APC (Article Processing Charge) and fast manuscript processing. What is the median time from manuscript submission to first decision?
Exhibitor	[JpGU & Friends] Earth, Planets and Space
Options	(1) 2 weeks (2) 6 weeks (3) 10 weeks (4) 14 weeks

Quiz	Q.3 Which is the one not Nu Instruments product?
Exhibitor	[A25] Nu Instruments Ltd.
Options	(1) Vitesse (2) Sapphire (3) Perspective (4) Emeraldas

Quiz	Q.4 What's the name of the IODP Expedition (IODP Exp 405) Chikyu will conduct in 2024?
Exhibitor	[A38] Earth Scientific Drilling Booth
Options	(1) J-DESC (2) JFAST (3) JTRACK (4) J-CORES

Quiz	Q.5 The energy dispersive X-ray spectroscopy, EDS, is an analytical tool for chemical composition at the nano- to micrometre scale. All four items are samples that can generally be analysed by EDS. So, which sample did we bring to our booth of JpGU2023? A
Exhibitor	[A16] Oxford Instruments KK
Options	(1) iron ore (2) granite (3) meteorite (4) beetle fossils

Quiz	Q.6 A new program has been launched this year, focused on the re-analysis of core samples stored at the Kochi Core Center (KCC); what is the name of this program?
Exhibitor	[A39] Earth Scientific Drilling Booth
Options	(1) DeCoRD (2) JeCoRD (3) KeCoRD (4) ReCoRD

Quiz	Q.7 In this program, we conduct "student self-planned field trips", which are planned and organized by graduate students themselves. Where was the destination of the field trip held in March 2023?
Exhibitor	[Univ02] The International Joint Graduate Program in Earth and Environmental Sciences, Tohoku University
Options	(1) Hokkaido region (2) Chubu region (3) Shikoku region (4) Kyusyu region



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On-site Course 5

Quiz	Q.1 Which object mainly observing in the demonstration of microscope observation exhibited at our booth?
Exhibitor	[A17] Paleo Labo co.,Ltd.
Options	(1)Thin section (2) Pollen (3) Diatom (4) Volcanic ash

Quiz	Q.2 OYO Corporation is called _____ to the Earth. Which is the correct answer?
Exhibitor	[A41] OYO Corporation
Options	(1)Civil engineer (2) Architect (3) Doctor (4) Designer

Quiz	Q.3 Which is the name of the book that exists in “SDGs Living in Waterside” series published by Asakura Pub.?
Exhibitor	[Pub09] Asakura Publishing Co.,Ltd.
Options	(1)Floating on waterside (2) Talking to waterside (3) Watching waterside (4) Utilizing waterside

Quiz	Q.4 Let's check the weight of rocks and minerals (peridotite, serpentinite, rose quartz, synthetic silicon, and barite) by your hands at the booth of Japan Association of Mineralogical Sciences! Which is the correct order of their density?
Exhibitor	[Soc10] Japan Association of Mineralogical Sciences
Options	(1)low density C<B<D<A<E high density (2) low density D<E<A<C<B high density ((3) low density B<A<E<D<C high densi (4) low density A<C<B<E<D high density (Please visit our booth to check which minerals are A, B, C, D and E!)

Quiz	Q.5 What is the nickname of the YouTube channel managed by young staff of JAXA Space Technology Directorate I ?
Exhibitor	[A02] JAXA Earth Observation Research Center
Options	(1)AW3D (2) GSMaP (3) サテらいふ (Sate-life) (4) JAXA Earth API

Quiz	Q.6 Airborne particles are called aerosols. Which of the following Particle size range can be measured by the GRIMM model PSMPs introduced at our booth?
Exhibitor	[A21] Electronics Optics Research, Ltd.
Options	(1)1.1 ~55.7cm (2) 1.1 ~55.7nm (3) 1.1 ~55.7mm (4) 1.1 ~55.7μm

Quiz	Q.7 What is the abbreviation for Geological Survey of Japan?
Exhibitor	[A32,A33] Geological Survey of Japan, AIST
Options	(1)GSJ (2) JGS (3) GSOJ (4) GEOJ



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On-site Course 6

Quiz	Q.1 What is shorthand of "Volcano Observation Data Centralization and Sharing System"?
Exhibitor	[A24] Integrated Program for Next Generation Volcano Research and Human Resource Development
Options	(1)JVND System (2) POS System (3) ECO System (4) WEB System

Quiz	Q.2 What new feature was added to Paperpal in May 2023 among its existing features? (Note: The options are all features that are already available in Paperpal.)
Exhibitor	[Pub03] Editage and Paperpal (Cactus Communications)
Options	(1)Translation feature (2) Feature for suggesting synonyms (3) Consistency check feature (4) Suggestion feature for improving English grammar and expression

Quiz	Q.3 There are various methods of geophysical exploration to investigate subsurface structures. Which of the following methods is used to determine the resistivity distribution in the subsurface by passing a current directly from the ground surface to the
Exhibitor	[Soc04] The Society of Exploration Geophysicists of Japan
Options	(1)Electro-magnetic exploration (2) Magnetic exploration (3) Electrical exploration (4) Ground-penetrating radar exploration

Quiz	Q.4 Which volcano is time-shift projection mapping?
Exhibitor	[A61] Asia Air Survey co., Ltd.
Options	(1)Fuji volcano (2) Hakone volcano (3) Usu volcano (4) Aso volcano

Quiz	Q.5 ISEE has 3 affiliated centers. Which one does not exist at ISEE?
Exhibitor	[A19] Institute for Space-Earth Environmental Research, Nagoya University
Options	(1)Center for International Collaborative Research (2) Center for Orbital and Suborbital Observations (3) Center for Geospace Research (4) Center for Integrated Data Science

Quiz	Q.6 Volcanic islands often have completely different kinds of lavas flowing from the summit and from the undersea flanks. What rocks from the Hawaiian Islands' submarine flank are in the IMG exhibits?
Exhibitor	[A43] Earth Scientific Drilling Booth
Options	(1)tholeiite (2) dunite (3) picrite (4) lherzolite