

Practical Geo Field evaluation – Site A (Yanaidani)

Student number:	Name:
Team:	Group:

Field kit: Hand lens

Time limit: 10 min.

Strata in the exposure are divided into the lower and upper units. At the basal part of the upper unit, there is a fossiliferous bed (a bed with dense aggregation of fossils). Read the following questions (A1 to A5), and circle one letter that corresponds to the correct answer.

A 1. Observe the rock exposure from a distance. What can you conclude?

- a) It is a sedimentary rock
- b) It is a plutonic rock
- c) It is a volcanic rock
- d) It is a metamorphic rock



A 2. What is the most appropriate rock name of the lower unit?

- a) Limestone
- b) Tuff
- c) Obsidian
- d) Sandstone
- e) Schist
- f) Rhyolite
- g) Basalt
- h) Chert
- i) Mudstone
- j) Gabbro
- k) Gneiss
- l) Granite

A 3. What is the most appropriate rock name of the upper unit?

- a) Limestone
- b) Tuff
- c) Obsidian
- d) Sandstone
- e) Schist
- f) Rhyolite
- g) Basalt
- h) Chert
- i) Mudstone
- j) Gabbro
- k) Gneiss
- l) Granite

A 4. What is the most appropriate stratigraphic relationship between the lower unit and the upper unit?

- a) Conformity
- b) Unconformity
- c) Intrusion
- d) Fault

Please turn over

A 5. To what group are the dominant fossils in the fossiliferous bed related?

- a) Bivalves (scallops and clams)
- b) Brachiopods (Spirifer)
- c) Ammonites
- d) Corals