# **Practical Geo Field evaluation – Site A (Yanaidani)**

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| --- | --- |
| 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?

1. It is a sedimentary rock
2. It is a plutonic rock
3. It is a volcanic rock
4. It is a metamorphic rock

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

1. Basalt
2. Chert
3. Mudstone
4. Gabbro
5. Gneiss
6. Granite
7. Limestone
8. Tuff
9. Obsidian
10. Sandstone
11. Schist
12. Rhyolite

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

1. Basalt
2. Chert
3. Mudstone
4. Gabbro
5. Gneiss
6. Granite
7. Limestone
8. Tuff
9. Obsidian
10. Sandstone
11. Schist
12. Rhyolite

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

1. Conformity
2. Unconformity
3. Intrusion
4. Fault

*Please turn over*

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

1. Bivalves (scallops and clams)
2. Brachiopods (Spirifer)
3. Ammonites
4. Corals