

## PRACTICAL TEST : LA BOUILLIDE - QUESTION FORM

Below is a list of questions. Read all the instructions carefully and complete the answer section at the end of the file.

### Question 1: The outcrop B corresponds to... (one possible answer)

#### Soal 1. Singkapan B berhubungan dengan .....

- 1- a sedimentary rock characterized by successive beds marking a stratification.
- 2- a volcanic rock characterized by a uniform appearance and having scattered minerals (around 1 mm).
- 3- a plutonic rock with a massive appearance consisting solely of cohesive minerals (3-6 mm).
- 4- a metamorphic rock whose major deformation is revealed by its schistosity.

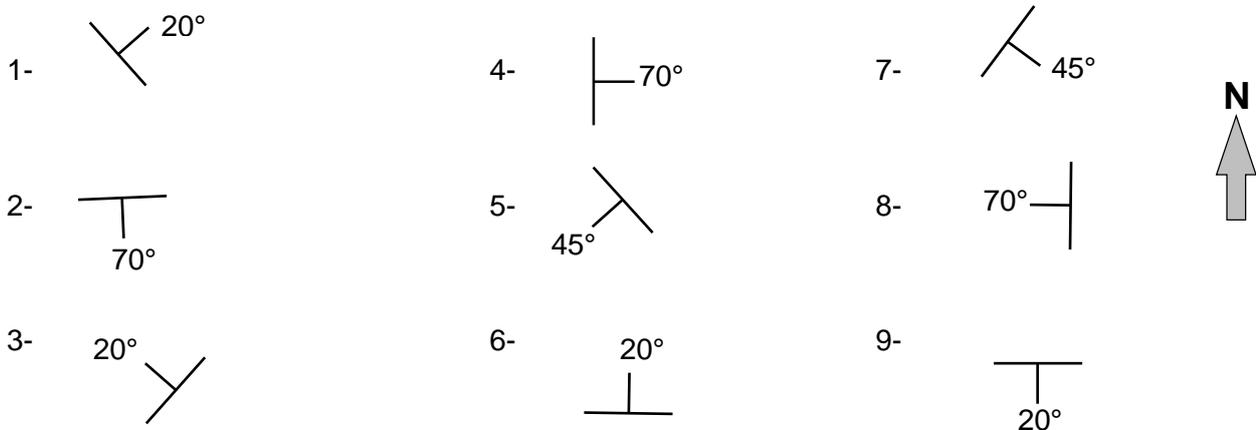
### Question 2: The rock forming outcrop B... (several possible answers)

#### Soal 2. Batuan pembentuk singkapan B .....

- 1- is a succession of limestone beds.
- 2- is a succession of limestone and clay beds.
- 3- shows non-crystallized silica nodules called flint.
- 4- is a magmatic rock.
- 5- is intersected by a horizontal intrusion of basalt.
- 6- is a schist.

### Question 3: From the structural symbols below, choose the one that best matches your measurements on the outcrop B: (one possible answer)

#### Soal 3. Dari simbol struktur geologi, pilihlah satu yang paling cocok dari pengukuran pada singkapan B.



### Question 4: The rock presented on outcrop A... (several answers possible)

#### Soal 4. Batuan yang terdapat di singkapan A ....

- 1- is identical to that of outcrop B.
- 2- is different from that of outcrop B.
- 3- shows flint nodules in contrast to outcrop B.
- 4- contains igneous intrusions.

**Question 5: Site A has been identified as a brittle deformation zone. Select the description that matches your observations. (one answer only)**

**Soal 5. Site/Lokasi yang akan diidentifikasi zona deformasi brittle /mudah hancur. Pilihlah deskripsi yang cocok dengan pengamatan anda.**

What are the cargneules ?

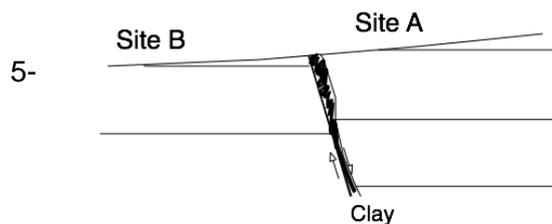
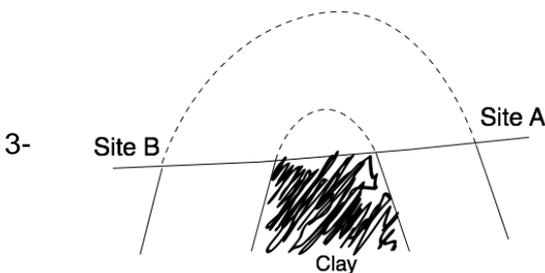
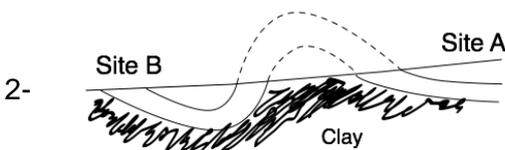
See the last page of your notebook

- 1- The dips in the layers between site A and site B are different by more than 10 degrees.
- 2- Several changes in lithology are observed at a nearby altitude.
- 3- The presence of cargneule is observed at site B.
- 4- The rock at the site is fractured, it is a breccia.
- 5- The rock has other indications of brittle deformation.
- 6- Fracture planes are visible and can be seen as indications of relative movement of the rock blocks.

**Question 6: Among the diagrams below, indicate the one that best corresponds to your observations. (Only one answer possible)**

**Soal 6. Diantara diagram/potongan geologi di bawah ini, yang mengindikasikan satu yang paling berhubungan dengan observasi anda**

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**Question 7: The presence of clay is noted on the surface. Its initial position deduced from the field observation indicates that... (several answers possible)**

**Soal 7. Keberadaan lempung yang terdapat di permukaan. Itu merupakan posisi awal deduktif dari observasi lapangan yang mengindikasikan .....**

- 1- the rocks of the Bathonian (167 Ma) are an unconfined aquifer that allows a river to form.
- 2- the rocks of the Bajocian (171 Ma) are an unconfined aquifer that allows a river to form.
- 3- the significant folding of the layers allows the creation of reservoirs made watertight by the presence of clay.
- 4- the underlying clay along the fault indicates that there is a layer of underground clay.

**Question 8: Fill in the table with the values measured at site C. (see answer sheet)**

**Soal 8. Isikanlah dalam table dengan harga pengukuran di site C.**

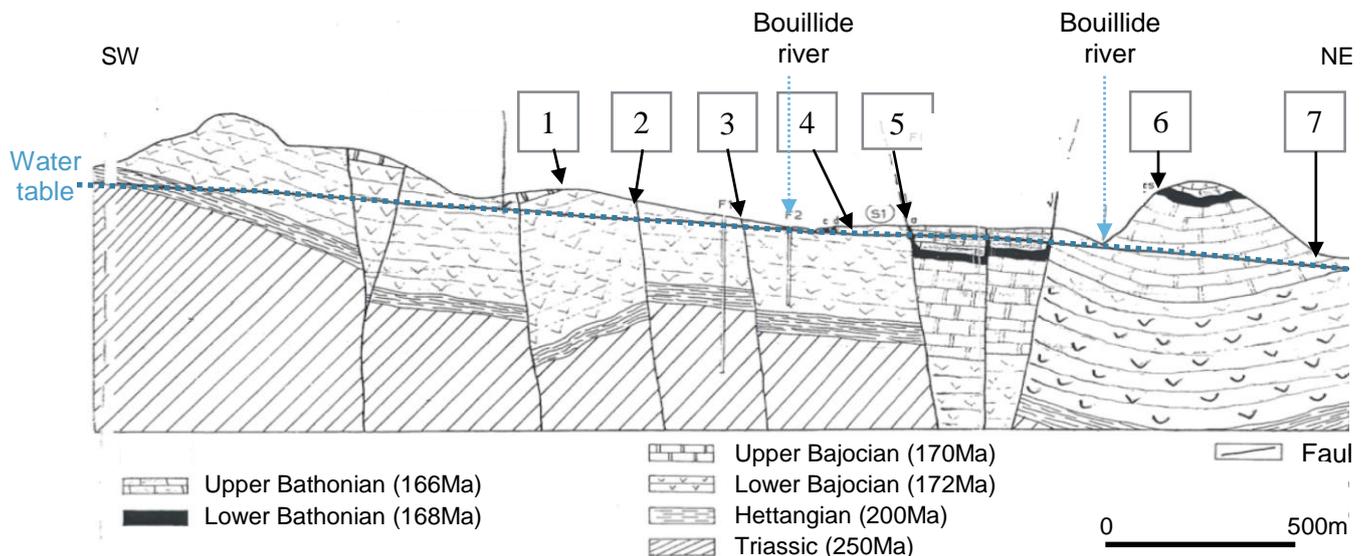
**Question 9: At site C, the map indicates the presence of a spring. Choose the correct statement for the scenario:**

**Soal 9. Pada site C, pada peta mengindikasikan adanya mata air. Pilihlah pernyataan paling benar untuk skenario :**

- 1- The spring is at the same level as the river. The waters mix in the bed of the river.
- 2- The spring is at a higher level than the river. The spring flows into the river.
- 3- The spring is at a lower level than the river. It does not act as a source. The river water partially escapes from its bed.

**Question 10: On the answer sheet, mark the positions of the 4 sites where you made your measurements and observations using the cross section below. (numbers can be used multiple times, once or not at all.)**

**Soal 10. Pada lembar jawaban., Tandai ke empat posisi site/lokasi yang anda buat pengukuran dan observasi menggunakan potongan melintang (cross section) di bawah ini.**



**Question 11: Using the data from the site and the cross section above, select the best hypothesis to explain the difference in the level of the river along its course through the park.**

**Soal 11. Dengan menggunakan data dari lapangan dan potongan melintang di atas. Pilihlah hipotesa yang benar untuk menerapkan perbedaan elevasi sungai sepanjang taman lembah**

- 1- The presence of a fault allows the water to escape or reappear at random along the course of the Bouillide.
- 2- The folding of the area raises the base of the aquifer, which brings the water out of the ground.
- 3- A collapse basin has retained a layer of shallow clay at the level of Bouillide Park. The water emerges from underground when it reaches this layer.