



Scoring instructions VSBO PBL

2026

period 1

Wednesday May 20

7.30 - 9.30 a.m.

Biology

Submitting scores

Process scores of all candidates in the online AWP program.

The scores must be posted no later than Monday June 1, 2026 at 12.00 noon.

The scoring instructions comprise:

- 1 Assessment standards
- 2 General rules
- 3 Subject-specific rules
- 4 Appraisal model

1 Assessment standards

The candidate's work is assessed with due observance of articles 30, 31 and 32 of the National Examination Decree vwo-havo-vsbo of 23-06-2008, PB 2008 no 54.

The following passages from the articles of the National decree mentioned above are of essence:

- 1 The school principal submits the completed exam assignments including a copy of the exam questions, the scoring instructions and the official report of the exam to the examiner. The examiner evaluates the work and submits it to the principal along with his/her evaluation. The examiner applies the assessment standards and the appraisal model decreed by ETE (the Examination Bureau).
- 2 The principal immediately submits the deposited exams, including a copy of the exam questions, the scoring instructions and the official report of the exam to the external examiner.
- 3 The external examiner promptly evaluates the work, applying the appraisal model and the assessment standards decreed by ETE (Examination Bureau).
- 4 The examiner and the external examiner confer and jointly determine the score totals for the national exam.
- 5 If they cannot reach a consensus, the score totals are determined by way of a mathematical average of the scores proposed by each of them, rounded off upwards if so required.

2 General rules

As far as evaluation of the exam goes, the following stipulations apply:

- 1 The examiner declares on a list, the candidate names and/or numbers, the scores awarded to each candidate for each question and the total score acquired by each candidate.
- 2 The examiner and the external examiner award scores to the answer to a question in accordance with the appraisal model. Scores are represented by the numbers 0, 1, 2, ..., n, whereby n represents the maximum score attainable for a question. Additional scores, not being a whole integer, or a score being less than 0, are not legitimate.
- 3 Scores are awarded in compliance with the following rules:
 - 3.1 If a question is answered correctly in full, the maximum score attainable is awarded;
 - 3.2 If an answer to the question is partially correct, a portion of the score attainable is awarded, in compliance with the appraisal model;

- 3.3 If the answer to an open-end question does not appear on the appraisal model, while said answer may be deemed correct or partially correct by virtue of demonstrable arguments with regard to subject matter content, scores must be awarded on the analogy or in the spirit of the appraisal model;
- 3.1 If solely one example, reason, elaboration, quote or answer of a different nature is required, then only (and exclusively) the first-offered answer is evaluated;
- 3.2 If more than one example, reason, elaboration, quote or answer of a different nature is required, then only (and exclusively) the first-offered answers are evaluated, up to a maximum of the number of answers asked for;
- 3.3 If a required statement or explanation or derivation or calculation is missing or wrong in an answer, then a score of 0 is awarded, unless the appraisal model indicates otherwise;
- 3.4 If various options separated by the symbol / appear in the appraisal model, then said options are valid as different phrasings of the same answer or part of the answer;
- 3.5 If a portion of the answer is bracketed in the appraisal model, then said portion is not absolutely required in the candidate's answer.
- 4 The correct answer to a multiple-choice question is the capital letter that matches the correct choice. For a correct answer to a multiple-choice question, the number of points listed in the appraisal model is awarded. For each other answer, no points are awarded. If more than one answer is given, no points are awarded either.
- 5 An error in the elaboration of a question may be charged but once, unless said error simplifies the question significantly and/or unless the appraisal model states otherwise.
- 6 A same-like error in the response to different questions must be charged consistently for each individual case, unless the appraisal model states otherwise.
- 7 If the examiner or the external examiner is of the opinion that there is an error or discrepancy in an exam or in the appraisal model of said exam, then he evaluates the work as if the exam and its appraisal model were correct. He should, however, report the error or discrepancy to ETE. It is not allowed to deviate independently from the appraisal model. Such errors, if any, will be taken into account when the final marking of the exam is determined by ETE.

3 Subject-specific rules

For this Central Written Examen VSBO PBL Biology first period 2026, a maximum of 68 points can be scored. The exam consists of 45 questions.

4 Appraisal model

Question	Answer	Scores
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The correct answer to a multiple-choice question is awarded 1 point.

1 **maximum score 1**
reproduction 1

2 **B**

3 **maximum score 2**
Possible answers:
1. Give firmness (to the body).
2. Protection (of organs).
3. Give form (to the body).
4. Movement (make possible).

Each correctly mentioned: 1 point.

4 **maximum score 2**
Possible answers:
muscle (tissue), nerve (tissue), fat(tissue), skin(tissue), cartilage (tissue),
connective tissue, epithelial tissue, hormone gland tissue

Three correct tissues mentioned, 2 points.

Two or only one correct tissue mentioned, 1 point.

No correct tissue mentioned, 0 points.

5 **maximum score 2**
Numbers in order: 1a → 2a → 14a → 16a → 18b → 19a 1
Name: Totèki (tree lizard) / (striped anole). 1

6 **maximum score 2**

statement	true	false
Bacteria have multiple cells.		x
Bacteria have no tissue.	x	
Bacteria have their own organs.		x

Three rows with correct X-marks, 2 points.

Two rows with correct X-marks, 1 point.

Fewer than two rows with correct X-marks, 0 points.

Question	Answer	Scores
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7 **B**

8 **A**

9 **B**

10 **D**

11 **B**

12 **A**

13 **maximum score 2**

P is **germ** or **rootlet**, Q is **cotyledon** or **umbilicus (navel)**, R is **seed coat**.

Three names correctly filled in, 2 points.

Two or only one name correctly filled in, 1 point.

No names correctly filled in, 0 points.

14 **A**

15 **maximum score 2**

reducers

1

nutrients.

1

16 **maximum score 2**

Stomach task	Is performed by the stomach with ...
1). Kneading and mixing food .	stomach muscles
2). Digesting nutrients .	gastric juices
3). Killing bacteria.	stomach acid

Three rows correct, 2 points.

Two or only one row correct, 1 point.

Zero rows correct, 0 points.

17 **maximum score 2**

(1). fluoride

(2). calcium

(3). iron

Three minerals correctly filled in, 2 points.

Merely two minerals or only one mineral correctly filled in, 1 point.

No minerals correctly filled in, 0 points.

Question	Answer	Scores												
18	maximum score 2 duct duodenum	1 1												
19	maximum score 2 (1). saliva (spit) (2). stomach (3). digested <i>Three words correctly filled in, 2 points.</i> <i>Merely two words or only one word correctly filled in, 1 point.</i> <i>No words correctly filled in, 0 points.</i>													
20	maximum score 2 <table><tr><th>letter</th><th>name</th></tr><tr><td>P</td><td>esophagus</td></tr><tr><td>Q</td><td>stomach</td></tr><tr><td>R</td><td>large intestine</td></tr><tr><td>S</td><td>small intestine</td></tr></table> <i>Four or three names correctly filled in, 2 points.</i> <i>Two or only one name correctly filled in, 1 point.</i> <i>No names correctly filled in, 0 points.</i>	letter	name	P	esophagus	Q	stomach	R	large intestine	S	small intestine			
letter	name													
P	esophagus													
Q	stomach													
R	large intestine													
S	small intestine													
21	C													
22	maximum score 2 <table><tr><th>nutrients</th><th>construction blocks</th><th>fuel</th></tr><tr><td>proteins</td><td>x</td><td>x</td></tr><tr><td>fats</td><td>x</td><td>x</td></tr><tr><td>minerals</td><td>x</td><td></td></tr></table> <i>Zero errors, 2 points.</i> <i>One or errors, 1 point, or a row entirely correct, 1 point.</i> <i>Otherwise, more than 2 errors, 0 points.</i>	nutrients	construction blocks	fuel	proteins	x	x	fats	x	x	minerals	x		
nutrients	construction blocks	fuel												
proteins	x	x												
fats	x	x												
minerals	x													
23	D													
24	B													
25	maximum score 2 cholesterol coronary artery	1 1												

Question	Answer	Scores
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26 maximum score 2

name of part	letter
aorta	U
left chamber	Q
right atrium	R

Three letters correct, 2 points.

Two letters or only one letter correct, 1 point.

Zero letters correct, 0 points.

27 maximum score 1

student	statement	true	false
Gerrick	Arteries lie deeper in the body than veins.	x	
Riano	Arteries transport blood from the heart to the organs.	x	

28 A

29 D

30 maximum score 1

oxygen

carbon dioxide

31 maximum score 2

letter	name of part
P	nasal cavity
Q	trachea (windpipe)
R	lungs

Three names correctly filled in, 2 points.

Two or only one name correctly filled in, 1 point.

No names correctly filled in, 0 points.

32 D

Question	Answer	Scores
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33 maximum score 2

statement	true	false
The air she breathes in is colder than the air she breathes out.	x	
The air she breathes in is more humid than the air she breathes out.		x
The air she breathes in contains more carbon dioxide than the air she breathes out.		x

Three rows correctly filled in, 2 points.

Two or only one row correctly filled in, 1 point.

No rows correctly filled in, 0 points.

34 maximum score 2

part	letter
renal medulla	B
renal cortex	A
renal pelvis	C

Three letters correctly filled in, 2 points.

Two letters or only one letter correctly filled in, 1 point.

No letters correctly filled in, 0 points.

35 maximum score 2

part	letter
brainstem	R
nerves	T
cerebellum	Q
cerebrum	P
spinal cord	S

Four or three letters correct, 2 points.

Two letters or only one letter correct, 1 point.

Zero letters correct, 0 points.

Question	Answer	Scores
----------	--------	--------

36 maximum score 2

letter	name
K	epidermis
L	dermis
M	subcutaneous tissue / hypodermis

Three names correctly filled in, 2 points.

Two or only one name correctly filled in, 1 point.

No names correctly filled in, 0 points.

37 maximum score 1

The answer must clearly show:

Give warmth / keep (maintain) warmth / isolate / regulate body temperature / keep (maintain) body temperature.

38 maximum score 1

faster breathing / increased glucose level

39 maximum score 2

name of stage	age period
baby	between 0 and 1½ year old
toddler	between 1½ and years old
kindergarten preschooler	between 4 and 6 years old
(school)child	between 6 and 11/12 years old
adolescent	between 11/12 and 16 years old

Three periods correctly filled in, 2 points.

Two or only one period correctly filled in, 1 point.

No periods correctly filled in, 0 points.

40 C

Question	Answer	Scores
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41 maximum score 2

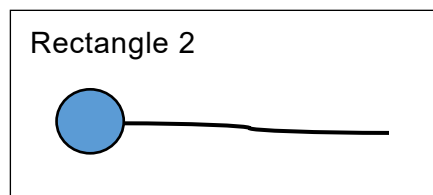
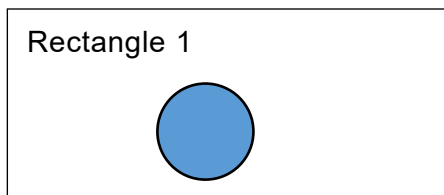
part	letter
labia	T
Fallopian tube	P
ovary	Q

Three letters correctly filled in, 2 points.

Two letters or only one letter correctly filled in, 1 point.

No letters correctly filled in, 0 points.

42 maximum score 2



For egg cell: A round /oval-shaped shape drawn.

1

For sperm cell: A round /oval-shaped shape with a tail drawn.

1

43 **B**

44 maximum score 2

Fallopian tubes

1

fertilization / implantation

1

45 **B**