



Scoring instructions VSBO PKL 2026

period 1
Wednesday May 20
7.30 - 10.00 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;
- 3.4 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;
- 3.5 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;
- 3.6 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;
- 3.7 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;
- 3.8 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.
- 8 Points are awarded on the basis of answers given by the candidate to each question. No points shall be awarded in advance.
- 9 The grade for the national exam is arrived at in the following fashion: The first and second corrector determine the score of each candidate. Said score is conveyed to the principal. The principal determines the grade of the national exam on the basis of standards with regard to converting score to grade. Said grade may be read from conversion tables that are made available by ETE after the final marking of the exam has been established.

3 Subject-specific rules

For this Central Written VSBO PKL Exam Biology first period 2026, a maximum of 76 points can be scored. The exam consists of 48 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 2

Life characteristic that Loeka cannot demonstrate: **reproduction**.

1

Two of the following life characteristics:

metabolism, breathing, feeding, secretion, growth, development, movement, perception.

1

2 B

3 maximum score 1

The bacteria should have been killed in: **the stomach**.

1

4 maximum score 2

organ	number
large intestine	5
stomach	3
esophagus	2

organ	number
rectum	6
mouth	1
small intestine	4

Six or five numbers written in the correct spaces, 2 points.

Only four or three numbers written in the correct spaces, 1 point.

Fewer than three numbers written in the correct spaces, 0 points.

5 C

6 maximum score 2

Words to be underlined:

cutting teeth

1

tear apart.

1

7 maximum score 2

characteristic	hereditary	environmental factor
Blacky has black fur.	x	
Blacky's offspring is born with four legs.	x	
Blacky is afraid of cars.		x

Three rows correct, 2 points

Two rows correct, 1 point

Fewer than two rows correct, 0 points

Question	Answer	Scores
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8 maximum score 1

Words to be underlined: *incisor* and then *tear apart*.

9 maximum score 2

statement	true	false
Fluoride protects teeth against tooth decay.	x	
Fluoride ensures strong teeth.	x	
Fluoride is a type of tartar.		x

Three rows correct, 2 points

Two rows correct, 1 point

Fewer than two rows correct, 0 points

10 maximum score 2

(1). calcium (2). iron

Each error, deduct 1 point.

11 B

12 maximum score 3

nutrients	fuel	building material	protective substance	
proteins	x	x		1
minerals		x	x	1
water		x		1

13 A

14 C

15 maximum score 2

(1). starch (2). proteins (3).enzymes

Each error, deduct 1 point.

Question	Answer	Scores
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16 maximum score 2

The name of P is red blood cell, Q is blood platelet.

1

Function of R is:

Kill disease-causing bacteria / Kill bacteria /

Kill viruses / Make antibodies. /

Ensure that you do not get sick – also mark as correct.

1

17 D

18 B

19 maximum score 2

statement	true	false
Blood transports heat.	x	
Blood transports sweat.		x
Blood transports antibodies.	x	

Three rows correct, 2 points.

Two rows correct, 1 point.

Fewer than two rows correct, 0 points.

20 B

21 maximum score 2

Words to be underlined:

P

1

thicker

1

22 C

23 maximum score 2

1). coronary artery

2). oxygen with 3). nutrients, or

2). nutrients with 3) oxygen.

Three words correct, 2 points

Two words correct, 1 point

Fewer than two words correct, 0 points.

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

24 maximum score 2

letter	name
P	nasal cavity
Q	throat cavity
S	trachea (windpipe)
U	bronchi

Four names correct: 2 points

Three or two names correct, 1 point

Fewer than 2 names correct, 0 points

25 C

26 A

27 D

28 B

29 maximum score 2

event	internal stimulus	external stimulus
Perceive the scent of the skin of an organism.		x
The hunger of a mosquito.	x	
The need for blood in order to reproduce.	x	

Three rows correct, 2 points.

Two rows correct, 1 point.

Fewer than two rows correct, 0 points.

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

30 maximum score 2

steps	sequence number
Jenna feels cold.	4
Skin senses convert temperature stimuli into impulses.	1
Impulses are processed by the brain.	3
Impulses go to the central nervous system.	2

Sequence complete and correct, 2 points

Only one correct, 1 point.

31 maximum score 2

function:	name of the skin part that carries out the function ...	
Give nutrients and oxygen to the skin.	blood vessel	1
Cool off the skin.	sweat gland	1

32 maximum score 2

- (1). Hormone/hormonal (system) 1
(2). insulin 1

For (1), also mark digestive system as correct.

For (2), also mark hormone and glucagon as correct.

33 maximum score 2

development	name of the stage
Learns to stand and walk	baby
Learns to ride a bicycle and climb	toddler
The reproductive organs start to function	adolescent/teen(ager)

Three correct life stages, 2 points.

Two correct life stages, 1 point.

Fewer than two correct life stages, 0 points.

Question	Answer	Scores
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34 maximum score 2

statement	true	false
In Jordan, combustion only occurs in the muscles of his fingers.		x
For Jordan and Yannick, the ambient temperature is equal, 20° C. This is why their energy consumption is also equal.		x
Ruël's and Yannick's blood pressure will be higher than Jordan's.	x	

Three rows correct, 2 points.

Two rows correct, 1 point.

Fewer than two rows correct, 0 points.

35 maximum score 1

information	can be seen in the color.	cannot be seen in the color.
Drank too much water.	x	
High levels of urea in the urine.	x	

36 maximum score 1
thyroid gland

37 maximum score 2

(1). pubic hair	1
(2). armpit hair	1

Question	Answer	Scores
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38 maximum score 2

	statement	true	false
Andy (boy)	"My sex cell is bigger than your sex cell."		x
Andy (boy)	"My sex cell has a whip tail, yours doesn't."	x	
Gina (girl)	"My sex cell has a cell nucleus, yours doesn't."		x

Three statements with correct X-marks, 2 points.

Two statements with correct X-marks, 1 point.

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

39 C

40 maximum score 2

statement	true	false
In cell P , photosynthesis does NOT take place.	x	
In cell Q , photosynthesis only takes place in the daytime .	x	
In cell R , photosynthesis only takes place at night .		x

Three rows correct, 2 points.

Two rows correct, 1 point.

Fewer than two rows correct, 0 points.

41 A

42 maximum score 2

(1). water (2). xylem vessels (3). cells

Three correct, 2 points

Two correct, 1 point

Fewer than two correct, 0 points

43 D

Question	Answer	Scores
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44 maximum score 2

	Dispersal happens via the ...		
type of seed	<i>wind</i>	<i>fur</i> of an animal	<i>intestinal tract</i> of an animal.
pegasaya		x	
kapok	x		
kinip			x

Three correct, 2 points.

Two correct, 1 point.

Fewer than two correct, 0 points.

45 maximum score 2

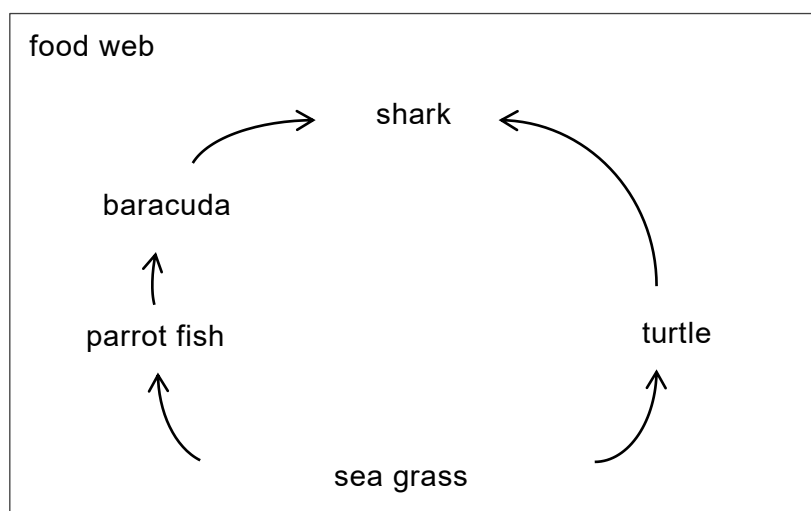
Numbers in sequence: 1a → 2a → 14a → 16a → 18b → 19a

1

Name: Totèki / (striped anolis).

1

46 maximum score 2



Four organisms filled in in the correct spaces, 2 points.

Three or two organisms filled in in the correct spaces, 1 point.

Fewer than two organisms filled in in the correct space, 0 points.

If the places of parrot fish and turtle are switched – also mark that as correct.

47 D

48 maximum score 1

light / clear / oxygen / water