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CRICOS PROVIDER 00123M

Team-based Learning

<http://www.teambasedlearning.org/>

adelaide.edu.au

seek LIGHT

TBL Sequence

DEVELOP RECIPROCITY AND COLLABORATION AMONG STUDENTS

Learning is enhanced when it is more of a team effort than a solo race. Good learning, like good work, is collaborative and social, not competitive and isolated.

- 1) Strategically-formed, permanent teams
- 2) Readiness assurance
- 3) Application activities
- 4) Peer evaluation

<http://learningsciences.utexas.edu/teaching/engagement/teaching-large#tbl>

Forming Teams

- Please line up according to the distance from Sydney of the place you were born, from the closest to the furthest.



<https://flic.kr/p/7jARG6>



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Readiness Assurance

Animal Welfare TBL

Pre-reading

Acta Veterinaria Scandinavica



Open Access

Oral presentation

Understanding animal welfare

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from The role of the veterinarian in animal welfare. Animal welfare: too much or too little? The 21st Symposium of the Nordic Committee for Veterinary Scientific Cooperation (NKVet) Værlose, Denmark. 24–25 September 2007

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Acta Veterinaria Scandinavica 2008, **50**(Suppl 1):S1 doi:10.1186/1751-0147-50-S1-S1

Individual MCQs

Team MCQs

- Scratch the answer you think is correct
 - 1st time = 10
 - 2nd time = 5
 - 3rd time = 3
 - 4th time = 1
 - 5th time = 0

Discussion of Answers

Q1 A scientist is measuring the level of welfare in an intensive piggery using a basic health and functioning conception of animal welfare. Which of the following is she most likely to measure?

- A. Social hierarchies
 - B. Time spent feeding
 - C. Aggressive interactions
 - D. Agonistic interactions
 - E. Growth rate
-

Q2 The system developed by Mellor and Reid to assess animal welfare is called the Five...

- A. Realms
 - B. Fields
 - C. Dominions
 - D. Domains
 - E. Spheres
-

Q3 In 1997 the scientific committee of the EU made conclusions on the welfare of pigs kept in sow stalls. Which factor was most important in their conclusion serious welfare problems existed for sows ‘even in the best stall-housing system’?

- A. Inability to walk, socialise or perform natural behaviours
 - B. Negative public perceptions of confinement housing
 - C. Aggression between sows kept in sow stalls
 - D. Weight loss in sows kept in sow stalls
 - E. High rates of disease in stall-housed sows
-

Q4 Which of the following is the best definition of an affective state in animals?

- A. Emotions and other feelings that may be pleasant or unpleasant
 - B. The capacity for feeling pain, hunger and thirst
 - C. Emotions, such as fear, joy and happiness
 - D. The capacity to feel happiness and joy
 - E. Feelings, such as happiness, anxiety and distress
-

Q5 The world-view of the pro-industrialists following the Industrial Revolution was most likely to include which of the following statements?

- A. Automation leads to an increased number of accidents
 - B. Maximum productivity would not be achieved without healthy, happy workers
 - C. Cities create problems as people have less contact with nature
 - D. Repetitive work with machines leads to an erosion of human nature and moral character
 - E. Change is inevitable but it does not always lead to progress
-

Q6 Which of the following housing types for layer hens would be preferable if you used a 'Natural Living' definition of animal welfare?

- A. Enriched cage
 - B. Battery cage
 - C. Barn system
 - D. Free range
-

Q7 What is the main reason people argue when they use different conceptions of animal welfare?

- A. The 3 conceptions can conflict
 - B. Affective states cannot be measured
 - C. Biological measures are too variable
 - D. They have different definitions of 'naturalness'
 - E. Animal behaviour is difficult to interpret
-

Q8 Who wrote 'Animal Machines', the first major criticism of confinement systems in agriculture?

- A. Ruth Harrison
 - B. Bernard Rollin
 - C. Peter Singer
 - D. John Webster
 - E. Astrid Lindgren
-

Q9 Which factor determining a ‘good life’ for animals would be emphasized by people following a Romantic/Agrarian world-view?

- A. High levels of productivity
 - B. Low levels of neonatal mortality
 - C. Low levels of disease
 - D. Clean and hygienic housing
 - E. Access to the outdoors
-

Q10 Which of the following studies uses only the basic health and functioning concept of animal welfare?

- A. Time spent foraging in polar bears kept in different zoos
 - B. Piglet mortality in sows in free range systems versus in farrowing crates
 - C. Grooming behaviour in dairy calves fed from a teat several times versus once a day
 - D. Aggressive behaviour in dogs kept in a shelters with/without toys
 - E. Dust bathing in layer birds kept in cages of different designs
-

Benefits of an MCW reader

Instructor:		Total Possible:	10	Average:	5.9	58.97%			
Exam Name:		Highest Score:	9	90.00%	Median:	6	60.00%		
Exam Date:	Thursday, 20 August 2015	Lowest Score:	0	0.00%	KR20:	0.5977476			
Correct responses are shown in bold and italics					Blanks	Multiples	Pt. Biserial	Disc. Index	
Q1	A (8, 6.84%)	B (15, 12.82%)	C (10, 8.55%)	D (8, 6.84%)	<i>E (75, 64.10%)</i>	X	X	0.46	0.81
Q2	A (0, 0.00%)	B (5, 4.27%)	C (4, 3.42%)	<i>D (106, 90.60%)</i>	E (0, 0.00%)	X		0.31	0.29
Q3	<i>A (102, 87.18%)</i>	B (9, 7.69%)	C (2, 1.71%)	D (0, 0.00%)	E (2, 1.71%)	X		0.17	0.2
Q4	<i>A (81, 69.23%)</i>	B (19, 16.24%)	C (6, 5.13%)	D (3, 2.56%)	E (6, 5.13%)	X		0.35	0.62
Q5	A (0, 0.00%)	<i>B (70, 59.83%)</i>	C (6, 5.13%)	D (21, 17.95%)	E (18, 15.38%)	X		0.28	0.76
Q6	A (5, 4.27%)	B (0, 0.00%)	C (8, 6.84%)	D (103, 88.03%)	<i>E (2, 1.71%)</i>	X	X	0	1
Q7	<i>A (65, 55.56%)</i>	B (14, 11.97%)	C (3, 2.56%)	D (25, 21.37%)	E (9, 7.69%)	X	X	0.34	0.75
Q8	<i>A (44, 37.61%)</i>	B (16, 13.68%)	C (25, 21.37%)	D (16, 13.68%)	E (14, 11.97%)	X		0.21	0.79
Q9	A (9, 7.69%)	B (6, 5.13%)	C (11, 9.40%)	D (13, 11.11%)	<i>E (78, 66.67%)</i>	X	X	0.3	0.68
Q10	A (9, 7.69%)	<i>B (73, 62.39%)</i>	C (21, 17.95%)	D (5, 4.27%)	E (7, 5.98%)	X		0.22	0.59



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APPLICATION ACTIVITIES

Henry

Sea World polar bear Henry celebrates first birthday on Gold Coast

May 9, 2014

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Georgina Auton

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Henry celebrates first birthday

Sea World polar bear *Henry* is like "a child on a lot of red cordial" as he celebrates his first birthday with some special treats on Friday.

[Henry celebrates](#)

Q1. For Henry the polar bear score his level of welfare according to the three different conceptions of animal welfare (basic functioning, affective state and natural state). For each conception score the level from 1= the worst possible welfare to 10= the best possible welfare.

A: 1 or 2

B: 3 or 4

C: 5 or 6

D: 7 or 8

E: 9 or 10

Q2. As a team you need to reach consensus on what you believe is the overall level of animal welfare for Henry the polar bear. Again score the level of animal welfare from 1= the worst possible welfare to 10= the best possible welfare.

A: 1 or 2

B: 3 or 4

C: 5 or 6

D: 7 or 8

E: 9 or 10

Q3. A person is scoring the overall level of animal welfare in a sheep feedlot from 1 (worst) to 10 (best). Which of the following would influence their score the most?

- A. The conception of animal welfare they believe is most important
 - B. The majority of the sheep having a high body condition score
 - C. High levels of intestinal parasitism measured in the sheep faeces
 - D. Observation of a high number of aggressive encounters between sheep
 - E. Compliance with the industry standards for stocking density
-



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How can you use this?

Suggestions

- Even without using full-blown TBL parts can be modified
 - Our online resources make great application activities
 - You can use these to replace some lectures, or in tutorials

Secret to Success

- If you follow the 4S approach to developing TBL application activities you can't go far wrong:
 1. **SIGNIFICANT**
 2. **SAME**
 3. **SPECIFIC**
 4. **SIMULTANEOUS**

Reporting Methods

- **Flashcards**
 - A-E answers, eg Knut the Polar Bear
- **Overhead projector sheets**
 - Can overlay answers
- **Whiteboards**
 - flexibility
- **Plickers**
- **Post-it notes on posters**
 - eg decide on a research grant to support, which ethical framework did you use?
- **Class presentation**
 - Eg which 3 physiological measures would you use to assess racehorse welfare if housed individually vs in pairs?