

ADDENDUM A: LEARNERS' QUESTIONNAIRE

A Survey of Environmental Education relating to Grade 9 Learners in Soweto

Section A

Instruction: Select one response which provides the best answer.

Circle your answers on the answer sheet provided:

1. In which one of the following have you ever had a lesson on environmental problems?
 1. pre-school
 2. primary school
 3. secondary school
 4. in all of the above
 5. I have never had a lesson on environmental problems.

2. In which learning area(s) were you taught about the importance of keeping the environment clean?
 1. HSS (Human and Social Sciences)
 2. EMS (Economic and Management Sciences)
 3. TECH (Technology)
 4. LO (Life Orientation)
 5. LLC (Language, Literacy and Communication)
 6. AC (Arts and Culture)
 7. MMLMS (Mathematical Literacy, Mathematics and Mathematical Sciences)
 8. NS (Natural Sciences)
 9. in none of the above.

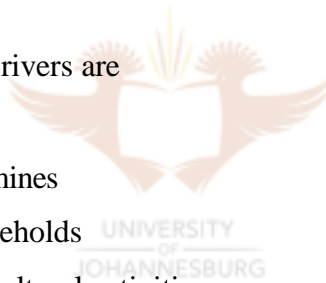
3. You read about the importance of keeping the environment clean only
 1. to pass the examination
 2. to keep the environment clean at home
 3. to keep the environment clean wherever you go
 4. to keep the environment clean when someone else is observing you
 5. to keep the environment clean at school.

4. The environment should be kept clean by
 1. educators
 2. learners
 3. parents
 4. municipal workers
 5. everyone.

5. The biggest polluters of rivers are
 1. industrial waste
 2. waste from the mines
 3. waste from households
 4. waste from agricultural activities
 5. all of the above.

6. The air that we breathe is polluted by smoke from
 1. industries
 2. households
 3. cars
 4. veld and forest fires
 5. all of the above.

7. How often do you apply information on how to conserve the environment in your daily activities?
 1. always



2. sometimes
3. never.

8. Where do you litter?

1. at home
2. at school
3. in town
4. in open spaces
5. I never litter.

9. My reason for littering is because

1. there are people employed to clean up the litter
2. it is not my problem
3. I don't care whether the environment is clean or not.
4. I am creating a job for someone else.
5. I have nothing to lose.

10. When the dustbin is full before the municipal refuse collection time, we normally

1. burn the waste
2. dump the waste in an open space
3. put the waste in a plastic bag and keep it for the next collection.
4. bury the waste
5. throw the waste somewhere else.

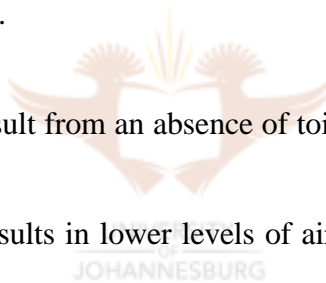
Section B

Answer True or False:

11. Acid rain is caused by pollution and gases produced by industries, power stations and cars.

12. There are laws that have been designed to prevent and to reduce acid rain.

13. Overpopulation causes a wide range of problems including a lack of water, health problems, unemployment, pollution, a lack of basic services and increased crime.
14. It is good to use newspaper in a flush toilet.
15. Humans live on Earth and depend on the environment.
16. The removal of grass from the surface of the earth causes soil erosion.
17. Our main source of heat is the sun.
18. The United Nations World Summit will be held in Johannesburg in August/September 2002.
19. Outbreaks of cholera result from an absence of toilets.
20. The use of electricity results in lower levels of air pollution than occur when coal is burnt.



THANK YOU SO MUCH FOR COMPLETING THIS QUESTIONNAIRE

ADDENDUM B: LEARNERS' ANSWER SHEET

Answer sheet for a Survey of Environmental Knowledge relating to Grade 9 Learners in Soweto

Section A

1.	1	2	3	4	5				
2.	1	2	3	4	5	6	7	8	9
3.	1	2	3	4	5				
4.	1	2	3	4	5				
5.	1	2	3	4	5				
6.	1	2	3	4	5				
7.	1	2	3						
8.	1	2	3	4	5				
9.	1	2	3	4	5				
10.	1	2	3	4	5				

Section B

11.	TRUE	FALSE
12.	TRUE	FALSE
13.	TRUE	FALSE
14.	TRUE	FALSE
15.	TRUE	FALSE
16.	TRUE	FALSE
17.	TRUE	FALSE
18.	TRUE	FALSE
19.	TRUE	FALSE
20.	TRUE	FALSE

ADDENDUM C: EDUCATORS' QUESTIONNAIRE

A Survey of Environmental Education and Environmental Awareness relating to Grade 9 Educators in Soweto.

Fill in the following on the answer sheet provided:

1. Demographic profile

1.1. Sex Male Female -----

1.2. Age -----

1.3. Race -----

2. Educational level

2.1. Teacher's Certificate 2.2 Teacher's Diploma 2.3 Degree

3. Present Position

3.1 Principal 3.2. Head of Department 3.3 Teacher

4. Employment Status

4.1. temporary 4.2 part-time 4.3. permanent -----

5. Field of specialisation-----

6. The subjects you are teaching-----

7. Years of experience in teaching -----

8. Environmental Education

Circle the correct answers on the answer sheet provided:

8.1 During your educational career you were educated on the environment at

1. secondary school
2. teachers' training college
3. university
4. never.

8.2 Do you regard the inclusion of “environment” as Phase Organiser in Outcomes-based Education (OBE) as

1. a good thing
2. extra work
3. a waste of time
4. unnecessary.



8.3 Have you presented lessons on environmental problems to your classes?

1. always
2. never
3. seldom.

8.4 After your lessons on the environment, do you notice any positive change in the attitudes of your learners towards the environment?

1. always
2. never
3. sometimes

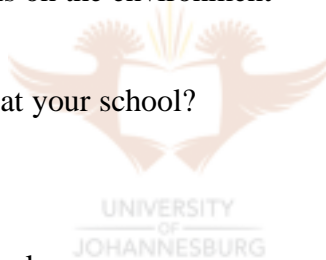
4. I do not offer lessons on the environment.

8.5 Which methods do you use when teaching Environmental Education?

1. Problem-solving
2. Experiments
3. Case studies
4. Field Studies
5. Project work
6. Surveys
7. Simulation and role-playing
8. Brain-storming sessions
9. Discussion or debates involving issues that affect local resources and community participation
10. I do not offer lessons on the environment

8.6 How do you rate littering at your school?

1. at a very high level
2. at a high level
3. at a low to very low level
4. there is no littering at our school.



8.7 If you were to receive lessons on Environmental Education/Issues, which body would you prefer to be responsible for your training?

1. The Gauteng Department of Education
2. A private company
3. A non-governmental organisation (NGO)
4. The Department of Environmental Affairs and Tourism.

8.8 When should training take place?

1. during the holidays
2. after school hours
3. during teaching time
4. on Saturdays

8.9 Which environmental aspects would you like to be trained in?

1. environmental problems
2. environmental laws
3. methods of teaching Environmental Education
4. the management of environmental projects.

9 Answer Yes or No

Circle Yes or No on the answer sheet provided:

9.1. Is your school part of 'Bontle ke Botho: Gauteng's "Clean and Green" Campaign?

9.2 Do you know anything about sustainable development?

9.3 Are you aware of the Johannesburg World Summit 2002?

9.4 Are you aware that there are environmental laws?

9.5 Do you know anything about environmental impact assessments?

9.6 Does your school have an environmental project?

9.7 Would you like to be trained in Environmental Education/issues?

THANK YOU SO MUCH FOR COMPLETING THIS QUESTIONNAIRE.

6. The subjects you are teaching-----

7. Years of experience in teaching-----

8. Environmental Education

8.1	1	2	3	4	5					
8.2	1	2	3	4						
8.3	1	2	3							
8.4	1	2	3	4						
8.5	1	2	3	4	5	6	7	8	9	10
8.6	1	2	3	4						
8.7	1	2	3	4						
8.8	1	2	3	4						
8.9	1	2	3	4						

9.1	YES	NO
9.2	YES	NO
9.3	YES	NO
9.4	YES	NO
9.5	YES	NO
9.6	YES	NO
9.7	YES	NO