

Environmental Health Science System Evaluation Rubric



Name / Group name: _____

School: _____ Date: _____

Level of understanding demonstrated by identification and descriptions of system components as it relates to the issue.

- 0 = No attempt**
- 3 = Misses all main components (*), but provides some information**
- 5 = Misses one minimum component (*) but provides other info**
- 7 = Identifies minimum components (*) correctly**
- 8 = Identifies minimums plus some additional available in resources**
- 9 = Identifies minimums plus most else available in resources**
- 10 = Identifies minimums plus all else available in resources**

	<i>No Attempt</i>	<i>Some effort but misses main points</i>	<i>Needs improvement</i>	<i>Satisfactory</i>	<i>Good</i>	<i>Excellent</i>	<i>Exceptional</i>
1. SOURCE OF ENVIRONMENTAL AGENT <ul style="list-style-type: none"> • Describes source as natural or man-made * • Identifies the source* • Describes process by which agent is released by source • Lists other details as available in references 	0	3	5	7	8	9	10
2. ENVIRONMENTAL AGENT <ul style="list-style-type: none"> • Identifies agent as physical, chemical or biological* • Correctly names/identifies agent* • Describes properties of agent as available in references 	0	3	5	7	8	9	10
3. ENVIRONMENTAL MEDIA <ul style="list-style-type: none"> • Correctly identifies media* • Provides next level of specificity regarding media (i.e. indoor air, surface water, type of food, agricultural soil) • Includes additional details as available in resources 	0	3	5	7	8	9	10
4. DISTRIBUTION <ul style="list-style-type: none"> • Uses some action verb to describe the movement of the agent* (i.e. flows, grows, mixes, carried, etc.) • Includes any additional detail regarding distribution as available in resources 	0	3	5	7	8	9	10
5. HUMAN RECEPTOR <ul style="list-style-type: none"> • Identifies exposure route* • Identifies possible effects in appropriate detail* • Identifies how much agent humans are exposed to • Describes “allowed levels”, exposure standards or guidelines (as available in resources) • Describes how likely the effects will appear (risk) 	0	3	5	7	8	9	10

	<i>No Attempt</i>	<i>Some effort but misses main points</i>	<i>Needs improvement</i>	<i>Satisfactory</i>	<i>Good</i>	<i>Excellent</i>	<i>Exceptional</i>
6. PERSONAL/GROUP RESPONSE	0	3	5	7	8	9	10
<ul style="list-style-type: none"> • Describes what those actually or potentially impacted feel and / or think* 							
7. SOCIETAL PROCESSES	0	3	5	7	8	9	10
<ul style="list-style-type: none"> • Identifies actions taken by groups, organizations, governments as available in resources* 							
8. ENVIRONMENTAL CONTROLS	0	3	5	7	8	9	10
<ul style="list-style-type: none"> • Describes regulations pertaining to the issue as available from resources • Describes technological solutions to the problem as available from resources • Describes management practices as available from resources • Describes any educational activities as available from resources 							

Raw Score _____ / 80 points → (x .3)

Converted Score _____ /24 points