WATER QUALITY RATING

NAME

SAMPLE SITE

DATE

YOU CAN DETERMINE THE WATER QUALITY OF A STREAM BY THE DIVERSITY OF ANIMALS FOUND LIVING IN THE WATER.

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$$\frac{\text{YOUR TOTAL POINTS}}{\text{TOTAL POSSIBLE POINTS}} = \frac{\quad}{32}$$

MULTIPLY THIS NUMBER BY 100 TO GET A PERCENTAGE OF SPECIES FOUND:

x 100 = _____ %

THIS DIVERSITY PERCENTAGE HELPS DETERMINE THE WATER QUALITY OR HEALTH OF THE STREAM.

QUALITY KEY:
GREATER THAN 70% = EXCELLENT WATER QUALITY
GREATER THAN 53% = GOOD WATER QUALITY
GREATER THAN 34% = FAIR WATER QUALITY
LESS THAN 34% = POOR WATER QUALITY

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WHY IS IT IMPORTANT TO HAVE GOOD WATER QUALITY?

_____

_____

_____

City of Fort Collins Utilities

BIOTIC INDEX

FOR DETERMINING DEGREE OF POLLUTION IN STREAMS

CIRCLE ORGANISMS FOUND

TOLERANT

* * * * * * * 1 POINT FOR EACH DIFFERENT SPECIES FOUND * * * * * * *

6 POINTS POSSIBLE

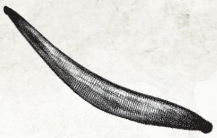
MIDGE LARVA

POUCH SNAIL

MOSQUITO LARVA (WRIGGLERS)

BLACK-FLY LARVA

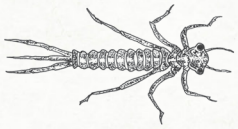
PLANARIAN (FLAT WORM)



LEECH

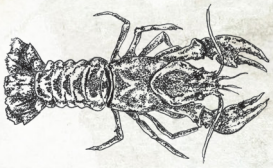
* * * * * * * 2 POINTS FOR EACH DIFFERENT SPECIES FOUND * * * * * * *

14 POINTS POSSIBLE



DAMSELFLY NYMPH

DRAGONFLY NYMPH



CRAYFISH

AMPHIPOD

CRANE FLY LARVA

GILL SNAIL

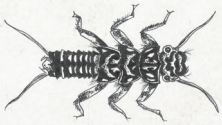
ISOPOD

* * * * * * * 3 POINTS FOR EACH DIFFERENT SPECIES FOUND * * * * * * *

12 POINTS POSSIBLE

SENSITIVE

MAYFLY NYMPH



STONEFLY NYMPH

RIFFLE BEETLE

CADDISFLY LARVA

MAYFLIES, STONEFLIES AND CADDISFLIES ARE INDICATOR SPECIES