

# CURIOUS KIDS DISCOVER

GET READY TO DISCOVER THE TINY CREATURES THAT CALL YOUR LOCAL STREAMS, RIVERS, AND LAKES HOME! FOLLOW THESE STEPS TO SAFELY COLLECT, OBSERVE, AND LEARN ABOUT AQUATIC INSECTS - NATURE'S WATER QUALITY INDICATORS.



## INSTRUCTIONS:



### STEP 1: FIND A SAMPLING SPOT

CHOOSE A SHALLOW AREA WITH GENTLE FLOWING WATER, LIKE THE EDGE OF A STREAM OR A CALM SPOT IN A LAKE. BE MINDFUL OF SLIPPERY ROCKS, AND ALWAYS STAY WITH AN ADULT.



## YOUR VIP KIT INCLUDES:

- NET
- BUG CONTAINER WITH MAGNIFIER
- TWEEZERS
- COLOUR-CHANGING PENCIL
- SHEET OF STICKERS
- TEMPORARY TATTOOS X3
- STYLISH DRAWSTRING BACKPACK WITH A FRONT ZIPPER POCKET
- BUG-CATCHING TOOLS X3
- BASEBALL CAP (YOUTH)



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## CARD DECK:



## STEP 2: COLLECT WATER BUGS

USE YOUR NET OR BUG-CATCHING TOOLS: PLACE THE NET OR TOOL(S) IN THE WATER NEAR ROCKS, PLANTS, OR ALONG THE MUDDY BOTTOM. GENTLY MOVE IT BACK AND FORTH TO COLLECT TINY CREATURES.



ARE THEY SWIMMERS, CRAWLERS, OR BURROWERS?

TAKE NOTES OR DRAW WHAT YOU SEE IN A NOTEBOOK.



## STEP 4: RELEASE THEM SAFELY

WHEN YOU'RE DONE OBSERVING, GENTLY POUR THE WATER AND BUGS BACK INTO THEIR HABITAT. ALWAYS HANDLE THEM WITH CARE!

TRANSFER TO MAGNIFYING CONTAINER: CAREFULLY TURN YOUR NET INSIDE OUT OVER THE COLLECTION CONTAINER FILLED WITH WATER. USE YOUR TOOLS TO GENTLY MOVE BUGS INTO THE TRAY.



## STEP 5: WHAT DID YOU LEARN?

SOME WATER BUGS, LIKE MAYFLIES AND STONEFLIES, ONLY LIVE IN CLEAN WATER. OTHERS, LIKE LEECHES AND AQUATIC WORMS, CAN TOLERATE POLLUTION.

## STEP 3: OBSERVE & IDENTIFY

USE THE MAGNIFYING GLASS TO CLOSELY EXAMINE THE BUG'S SHAPES, COLOURS, AND MOVEMENTS. MATCH THEM TO THE PICTURES IN THE CARD DECK.



WHAT DOES YOUR DISCOVERY SAY ABOUT THE WATER IN YOUR AREA?



HAVE FUN EXPLORING, AND REMEMBER, HEALTHY WATER MEANS HEALTHY WILDLIFE!