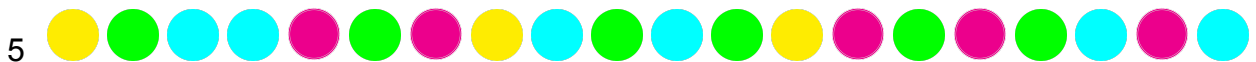
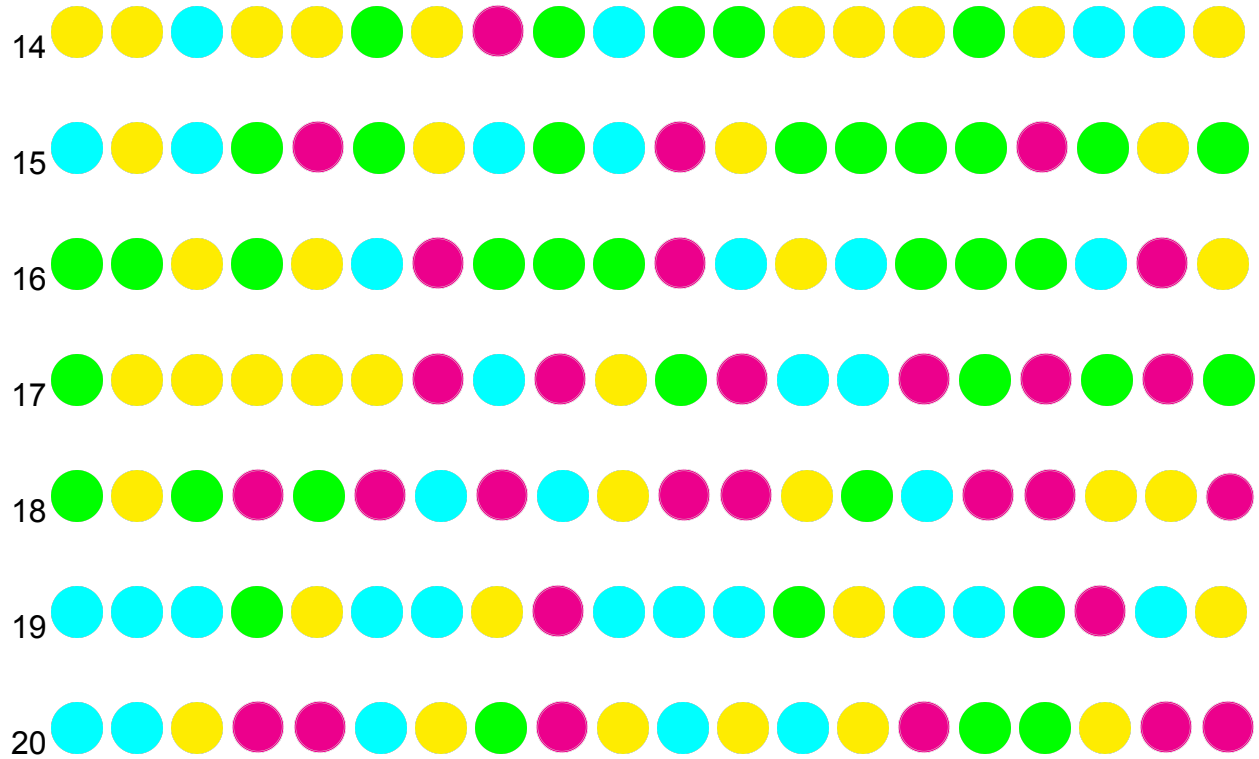


DNA Detectives Activity

1) Match your number to your bead strand

2) Copy & Paste the bead strand to the DNA Decipher Worksheet below





DNA Decipher Worksheet

Using your DNA bead strand, translate each bead's color into their matching DNA letter.

A (Adenine) – Blue

T (Thymine) – Pink

G (Guanine) – Yellow

C (Cytosine) – Green

PASTE BEADS HERE (Ctrl or Command (⌘) + C, then Ctrl or Command (⌘) + V)

DNA Code:

Example #1:



DNA Code:

ACTGACTGACTGACTG

PROTIP:

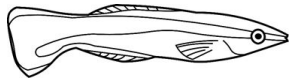
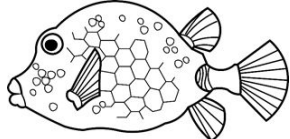
Print out the bead chain and write the DNA code letters inside each bead

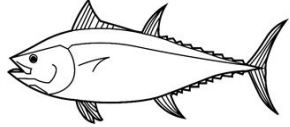

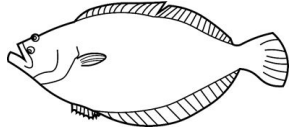

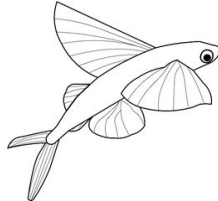
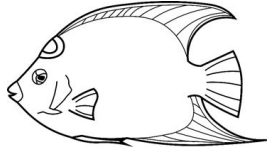
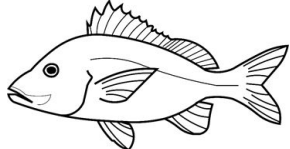
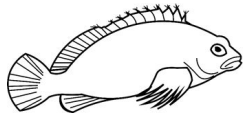



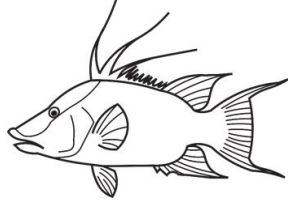
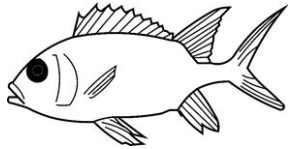

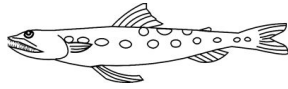
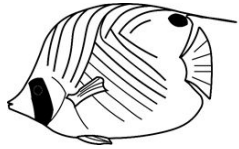
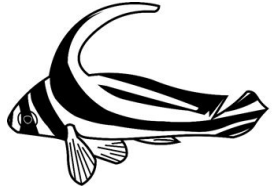
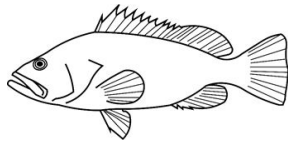
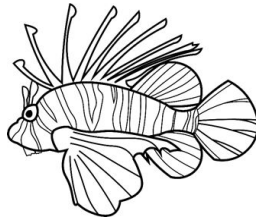
Match your fish!

Use your DNA code to match the fish your egg came from

PROTIP: When matching your fish to your code, check the first few letters of the code, then double check all of the letters match. The codes are easier to match up when you have a printed copy.

Fish	Fish Name	DNA Code
	Cleaner wrasse	AAGTTAGCTGAGAGTCCGTT
	Trunkfish	GGCGAGTTTAAACCAAACCA

	Tuna	GTACATGTGGCCATTACATA
	Goatfish	CGCTCTATAGTTGCATTGGT
	Flounder	AGACTCGACATGCCCTCGC
	Surgeonfish	CCGCGATCCCTAGACCCATG
	Flying fish	ACTGACTGACTGACTGACTG
	Angelfish	GGAGGCGTCACCGGGCGAAG
	Grunt	GACGACGAATACAGGAAGAA
	Hawkfish	TCCCCGCTAGGCCAACATGC
	Moray Eel	AGCTCTGTGTAGGGATTAAC

	Hogfish	GTTTCTCGACACCTGGAAGA
	Squirrelfish	AAAGCATAGATGCCTTTTCGG
	Parrotfish	AAACGAAGTAAACGAACTAG
	Lizardfish	GCAATCTGACACGTCTCATA
	Butterflyfish	AGCTCGTTGTTTTTCTCTC
	Drum	CGATGCAATGGAGAACATTT
	Grouper	AGTCATCGCTTACTAGTAAC
	Lionfish	CGGGGGTATGCTAATCTCTC

	Snapper	TGGGATATGCTCTACGAAGG
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Once you have found your fish, print your coloring page