

## CLASSIFICATION.

### GROUP I.—BONY FISHES.

ORDER 1.—Fishes with spinous rays in their fins.

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|---------------------------|--------------------------------------|
| Family 1. <i>Percidæ.</i> | The Perch family.                    |
| 2. <i>Triglidæ.</i>       | Fishes with hard cheeks.             |
| 3. <i>Combridæ.</i>       | The Mackerel family.                 |
| 4. <i>Gobidæ.</i>         | The Goby family.                     |
| 5. <i>Lophidæ.</i>        | Fishes with wrists to pectoral fins. |
| 6. <i>Labridæ.</i>        | The Wrasse, or Rock-fish family.     |

ORDER 2.—Soft-finned fishes ; the fin-rays almost universally flexible.

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| Family 1. <i>Cyprinidæ.</i> | The Carp family.       |
| 2. <i>Esocidæ.</i>          | The Pike family.       |
| 3. <i>Siluridæ.</i>         | The Sheat-fish family. |
| 4. <i>Salmonidæ.</i>        | The Salmon family.     |
| 5. <i>Clupeidæ.</i>         | The Herring family.    |

ORDER 3.—Fishes with ventrals under the pectorals, and the pelvis suspended to the shoulder bones—thus better adapted for ascending and descending than the preceding order.

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| Family 1. <i>Gadidæ.</i> | The Cod family.                    |
| 2. <i>Pleuronectidæ.</i> | The Flat-fish, or Flounder family. |
| 3. <i>Cyclopteridæ.</i>  | The Lump-fish family.              |

ORDER 4.—Fishes in which the ventral fins are always wanting.

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| Family 1. <i>Anguillidæ.</i> | The Eel family. |
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### GROUP II.—CARTILAGINOUS FISHES.

ORDER 1.—Fishes with free gills,—they have in their gills a single wide opening, and a gill-lid, like the Bony fishes, but no gill-rays.

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| Family 1. <i>Sturionidæ.</i> | The Sturgeon family. |
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ORDER 2.—Fishes with fixed gills,—these have the gills attached at the outer edge, with a separate opening, through which water from each gill escapes.

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| Family 1. <i>Squalidæ.</i> | The Shark family. |
| 2. <i>Raidæ.</i>           | The Ray family.   |

ORDER 3.—Fishes with round mouths formed into a sucker.

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| Family 1. <i>Petromyzonidæ.</i> | The Lamprey family. |
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