

## EXPLANATION OF THE PLATES.

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ALL the Plates were lithographed by Mr. Huth, Edinburgh, from my pencil drawings, with the exception of figures 1 to 5 on Plate X., for which I am indebted to Professor H. N. Moseley.

The following were the powers of the microscope used by me in making most of the drawings for the Plates (the abbreviations are made use of in the explanations of the figures).

S. 1	=	Swift's 1 inch objective,	magnifying about	50 diameters.
S. $\frac{1}{4}$	=	" $\frac{1}{4}$ "	" "	230 "
S. $\frac{1}{8}$	=	" $\frac{1}{8}$ "	" "	330 "
Z. $\frac{1}{18}$	=	Zeiss' $\frac{1}{18}$ objective (oil immersion),	magnifying about	950 diameters.

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## LIST OF THE ABBREVIATIONS.

<p><i>a.</i> . . . Anus.</p> <p><i>ad.</i> . . . Place of attachment.</p> <p><i>ap.</i> . . . Lateral appendage of ganglion.</p> <p><i>at.</i> . . . Atrial aperture.</p> <p><i>at.l.</i> . . . Lobes round atrial aperture.</p> <p><i>at.m.</i> . . . Atrial muscles.</p> <p><i>bl.</i> . . . Bladder cells in test.</p> <p><i>bl.s.</i> . . . Blood sinus.</p> <p><i>br.</i> . . . Branchial aperture.</p> <p><i>br.f.</i> . . . Longitudinal folds in branchial sac.</p> <p><i>br.l.</i> . . . Lobes round branchial aperture.</p> <p><i>br.m.</i> . . . Branchial muscles.</p> <p><i>br.s.</i> . . . Branchial sac.</p> <p><i>br.si.</i> . . . Branchial siphon.</p> <p><i>c.cl.</i> . . . Common cloacal aperture.</p> <p><i>c.d.</i> . . . Connecting duct.</p> <p><i>c.ep.</i> . . . Cubical epithelium.</p> <p><i>c.gr.</i> . . . Ciliated grooves on dorsal lamina.</p> <p><i>c.m.</i> . . . Masses of phosphorescent cells.</p>	<p><i>c.t.</i> . . . Connective tissue.</p> <p><i>d.l.</i> . . . Dorsal lamina.</p> <p><i>d.m.</i> . . . Dorsal muscles.</p> <p><i>d.t.</i> . . . Dorsal tubercle.</p> <p><i>ec.</i> . . . Ectoderm.</p> <p><i>emb.</i> . . . Embryo.</p> <p><i>en.</i> . . . Endostyle.</p> <p><i>g.</i> . . . Reproductive organs.</p> <p><i>g.d.</i> . . . Duct of reproductive organs.</p> <p><i>gl.t.</i> . . . Glandular tubules of dorsal tubercle.</p> <p><i>i.</i> . . . Intestine.</p> <p><i>i.l.</i> . . . Internal longitudinal bars of branchial sac.</p> <p><i>inf.</i> . . . Infundibula of dorsal tubercle.</p> <p><i>l.</i> . . . Languet.</p> <p><i>l.v.</i> . . . Longitudinal vessels.</p> <p><i>m.</i> . . . Mantle.</p> <p><i>m.b.</i> . . . Muscle bands.</p> <p><i>m<sup>1</sup> to m<sup>9</sup>.</i> . . . Muscle bands.</p>
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