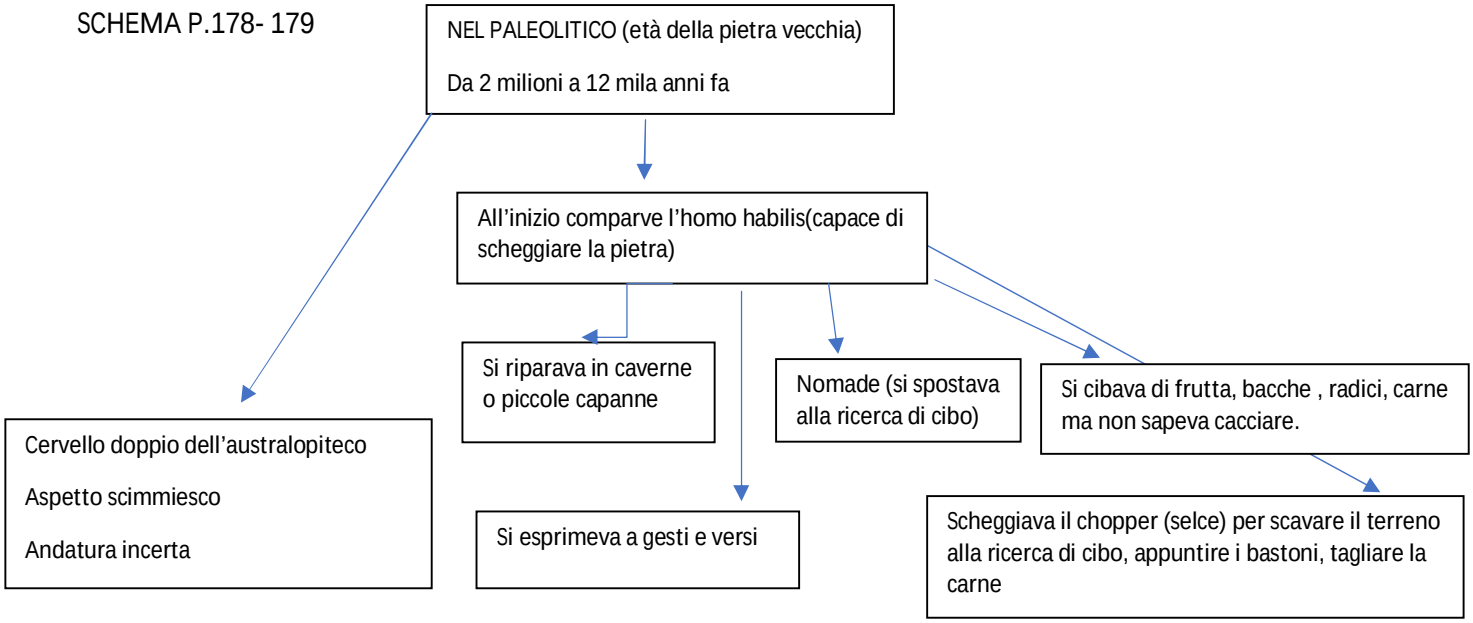SCHEMA P.178- 179