

# Geologic time scale

“mya”= “millions of years ago”]

<b>Phanerozoic</b> (542.0 mya—present)	<b>Cenozoic</b> (65.5 mya—present)	<b>Quaternary</b> (2.588 mya—present) Holocene (11,700 yrs—present)      Pleistocene (2.588 mya—11,700 yrs)
		<b>Neogene</b> (23.03—2.588 mya) Pliocene (5.332—2.588 mya)      Miocene (23.03—5.332 mya)
		<b>Paleogene</b> (65.5—23.03 mya) Oligocene (33.9—23.03 mya)      Eocene (55.8—33.9 mya)      Paleocene (65.5—55.8 mya)
	<b>Mesozoic</b> (251.0—65.5 mya)	<b>Cretaceous</b> (145.5—65.5 mya) Upper (99.6—65.5 mya)      * Lower (145.5—99.6 mya)
		<b>Jurassic</b> (199.6—145.5 mya) Upper (161.2—145.5 mya)      Middle (175.6—161.2 mya)      Lower (199.6—175.6 mya)
		<b>Triassic</b> (251.0—199.6 mya) Upper (228.7—199.6 mya)      Middle (245.9—228.7 mya)      Lower (251.0—245.9 mya)
	<b>Paleozoic</b> (542.0—251.0 mya)	<b>Permian</b> (299.0—251.0 mya) Lopingian (260.4—251.0 mya)      Guadalupian (270.6—260.4 mya)      Cisuralian (299.0—270.6 mya)
		<b>Carboniferous</b> (359.2—299.0 mya)
		<b>Pennsylvanian</b> (318.1—299.0 mya) Upper (307.2—299.0 mya)      Middle (311.7—307.2 mya)      Lower (318.1—311.7 mya)
		<b>Mississippian</b> (359.2—318.1 mya) Upper (328.3—318.1 mya)      Middle (345.3—328.3 mya)      Lower (359.2—345.3 mya)
<b>Devonian</b> (416.0—359.2 mya) Upper (385.3—359.2 mya)      Middle (397.5—385.3 mya)      Lower (416.0—397.5 mya)		
<b>Silurian</b> (443.7—416.0 mya) Pridoli (418.7—416.0 mya)      Ludlow (422.9—418.7 mya)      Wenlock (428.2—422.9 mya)      Llandovery (443.7—428.2 mya)		
<b>Ordovician</b> (488.3—443.7 mya) Upper (460.9—443.7 mya)      Middle (471.8—460.9 mya)      Lower (488.3—471.8 mya)		
<b>Cambrian</b> (542.0—488.3 mya) Furongian (499—488.3 mya)      Series 3 (510—499 mya)      Series 2 (521—510 mya)      Terreneuvian (542.0—521 mya)		
<b>Precambrian</b> (4600 to 542.0 mya)	<b>Proterozoic</b> (2500 to 542.0 mya) Neoproterozoic (1000—542.0 mya) Mesoproterozoic (1600—1000 mya) Paleoproterozoic (2500—1600 mya)	
<b>Archean</b> (4000 —2500 mya) Neoaerchean (2800—2500 mya) Mesoarchean (3200—2800 mya) Paleoarchean (3600—3200 mya) Eoarchean (4000—3600 mya)		
<b>Hadean</b> (4600—4000 mya)		

**Which Came First?** Circle the geologic time that is the older of the two listed.

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|------------------------|-----------------------------|--------------------------------|
| 1. Cambrian<br>Permian | 3. Paleozoic<br>Cenozoic    | 5. Quaternary<br>Carboniferous |
| 2. Jurassic<br>Neogene | 4. Mesoarchean<br>Eoarchean | 6. Triassic<br>Silurian        |