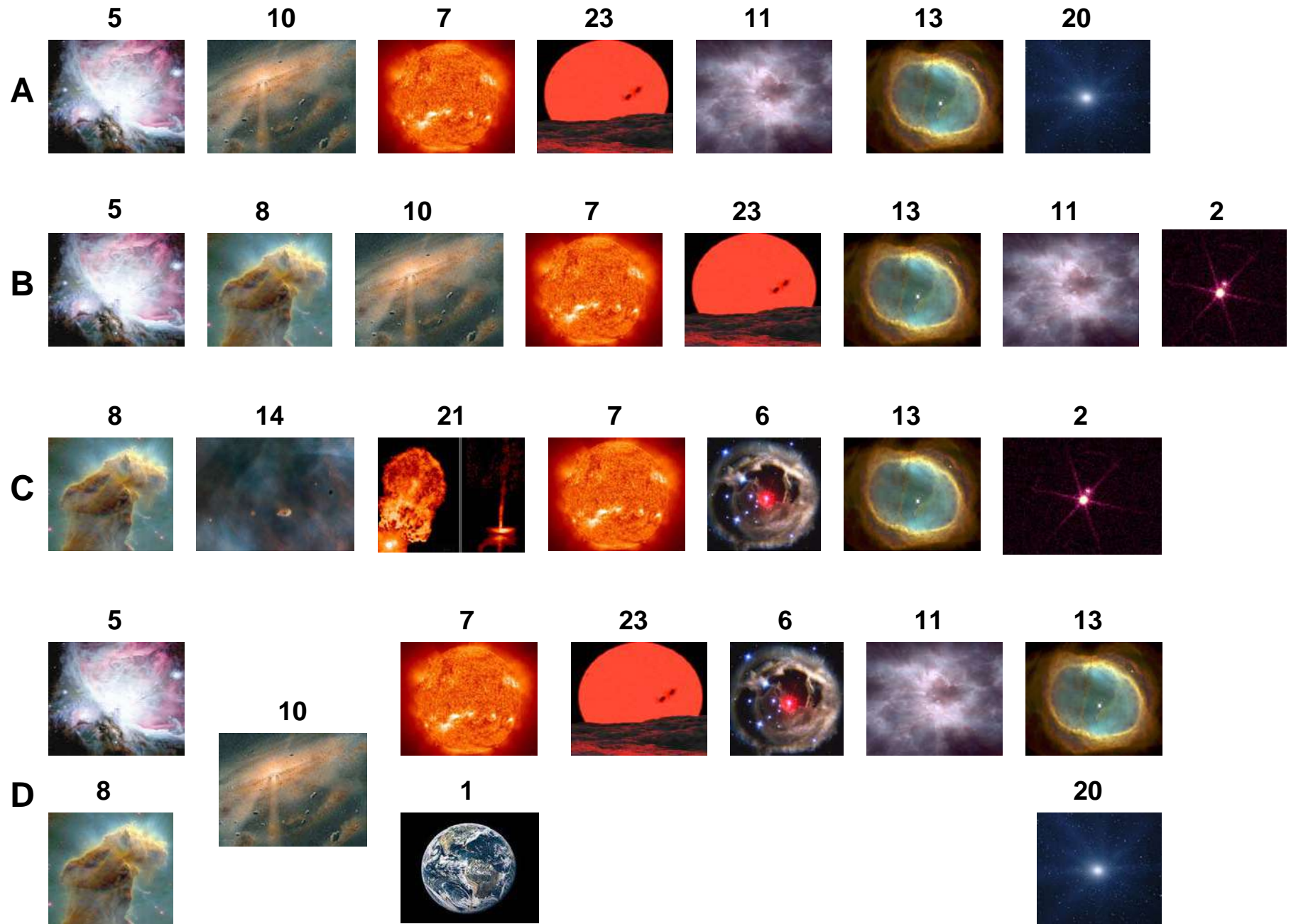
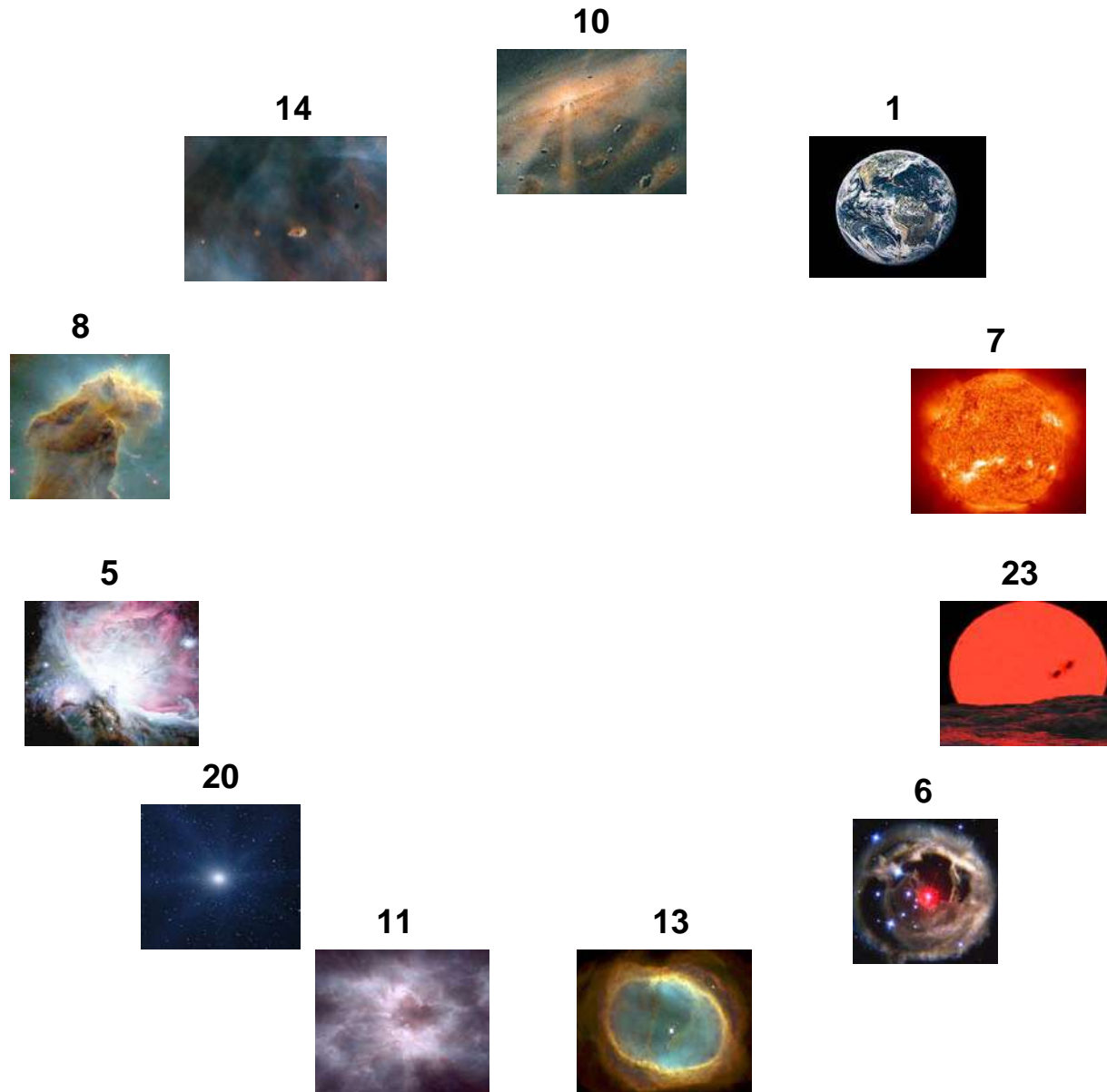


Some of the possible sequences for the evolution of a mid-sized star from formation to final end product



Some of the possible sequences for the evolution of a mid-sized star from formation to final end product

E



Some of the possible sequences for the evolution of a massive star from formation to final end products

A

5 10 15 9 19 12 24

Sequence A shows the evolution of a massive star through seven stages: 5 (formation), 10 (main sequence), 15 (supernova), 9 (neutron star), 19 (supernova remnant), 12 (supernova remnant), and 24 (supernova remnant).

B

8 14 10 15 4 19 12

Sequence B shows the evolution of a massive star through seven stages: 8 (formation), 14 (main sequence), 10 (supernova), 15 (neutron star), 4 (neutron star), 19 (supernova remnant), and 12 (supernova remnant). The final stage is shown as two options: 16 (supernova remnant) OR 24 (supernova remnant).

C

8 14 15 4 19 9

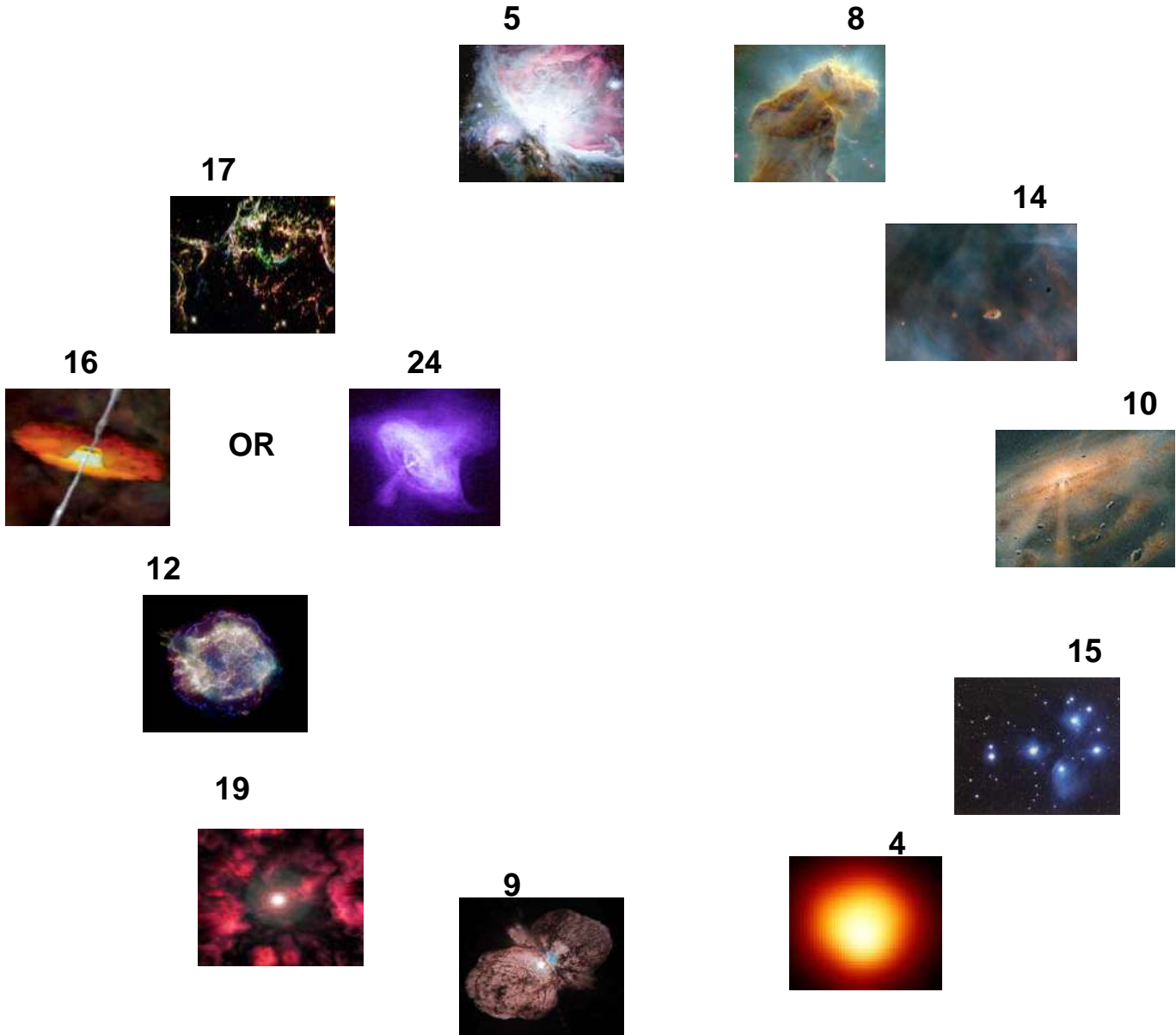
Sequence C shows the evolution of a massive star through six stages: 8 (formation), 14 (main sequence), 15 (supernova), 4 (neutron star), 19 (supernova remnant), and 9 (neutron star). An arrow points to the right, indicating the final stage.

12 16 17 5

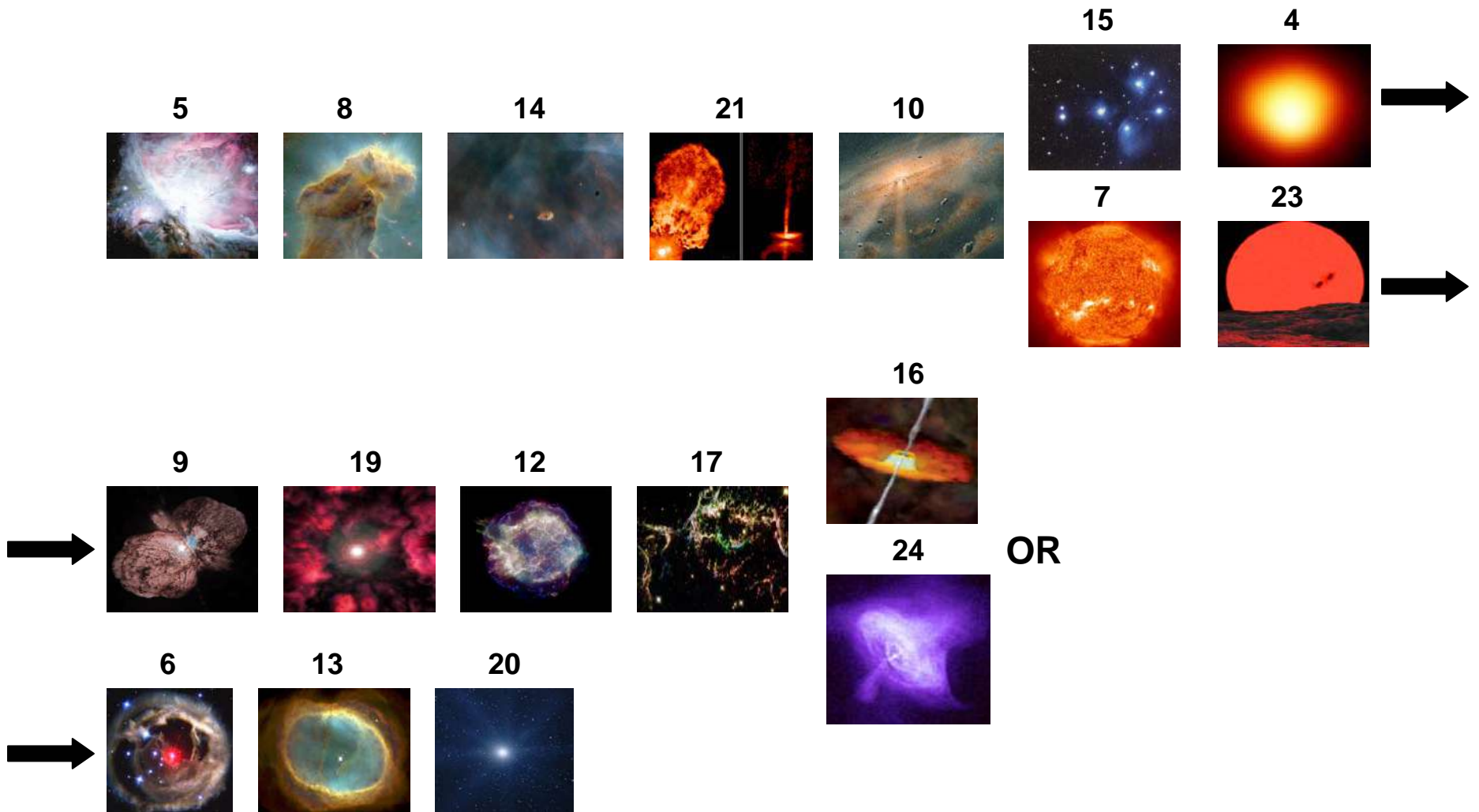
The final stages of massive star evolution are shown as two options: 12 (supernova remnant) OR 16 (supernova remnant). The final stage is shown as two options: 17 (supernova remnant) OR 5 (formation).

Some of the possible sequences for the evolution of a massive star from formation to final end products

D



The evolution of a massive star and a mid-sized star from formation to final end products from different fragments within the same stellar nursery



Some of the possible sequences for the evolution of a mid-sized star to a Type Ia supernova event

