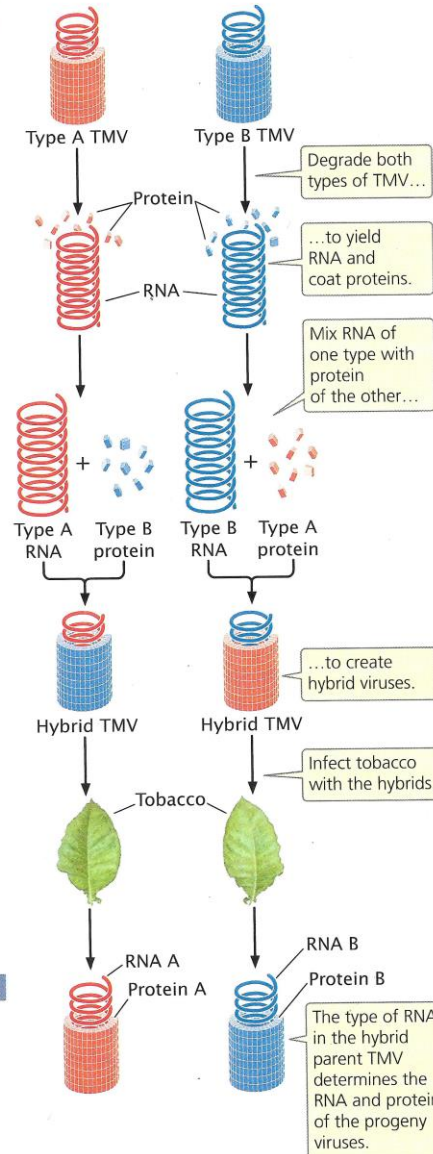


Experiment

Question: What substance—RNA or protein—carries the genetic material in tobacco mosaic virus (TMV)?

Methods



Results

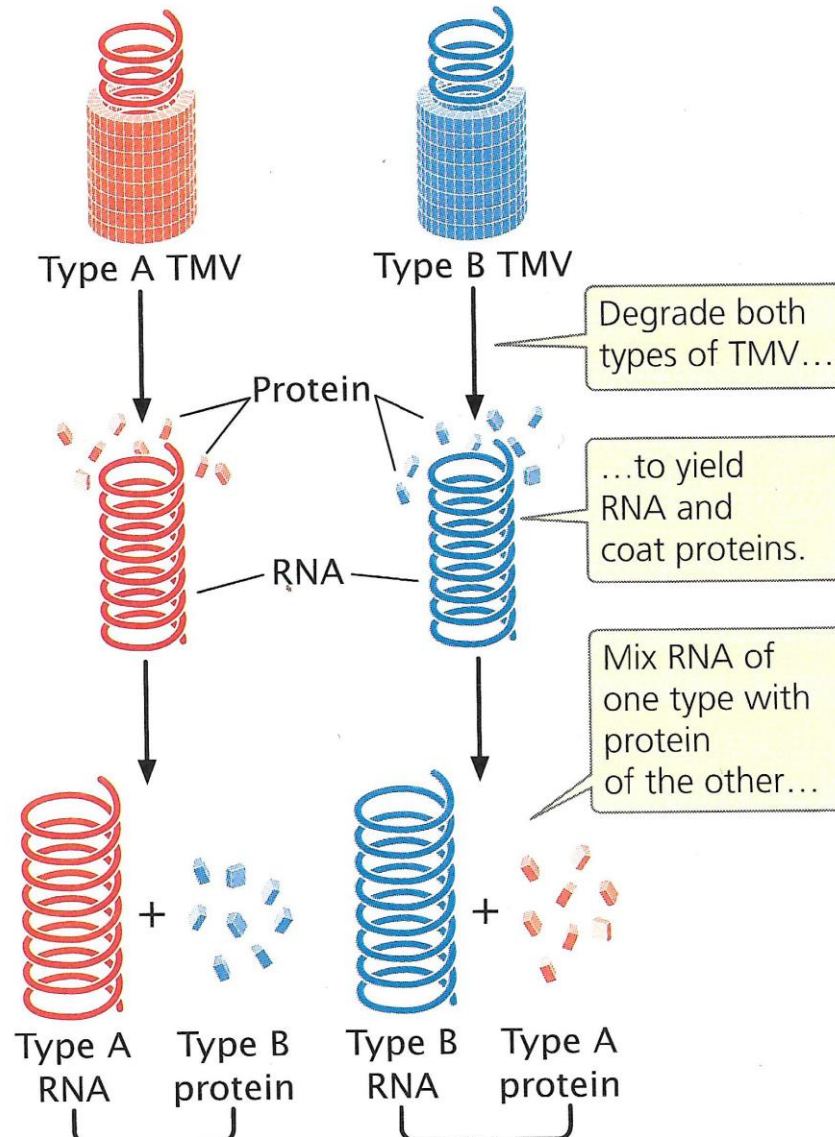
Conclusion: RNA is the genetic material of TMV.

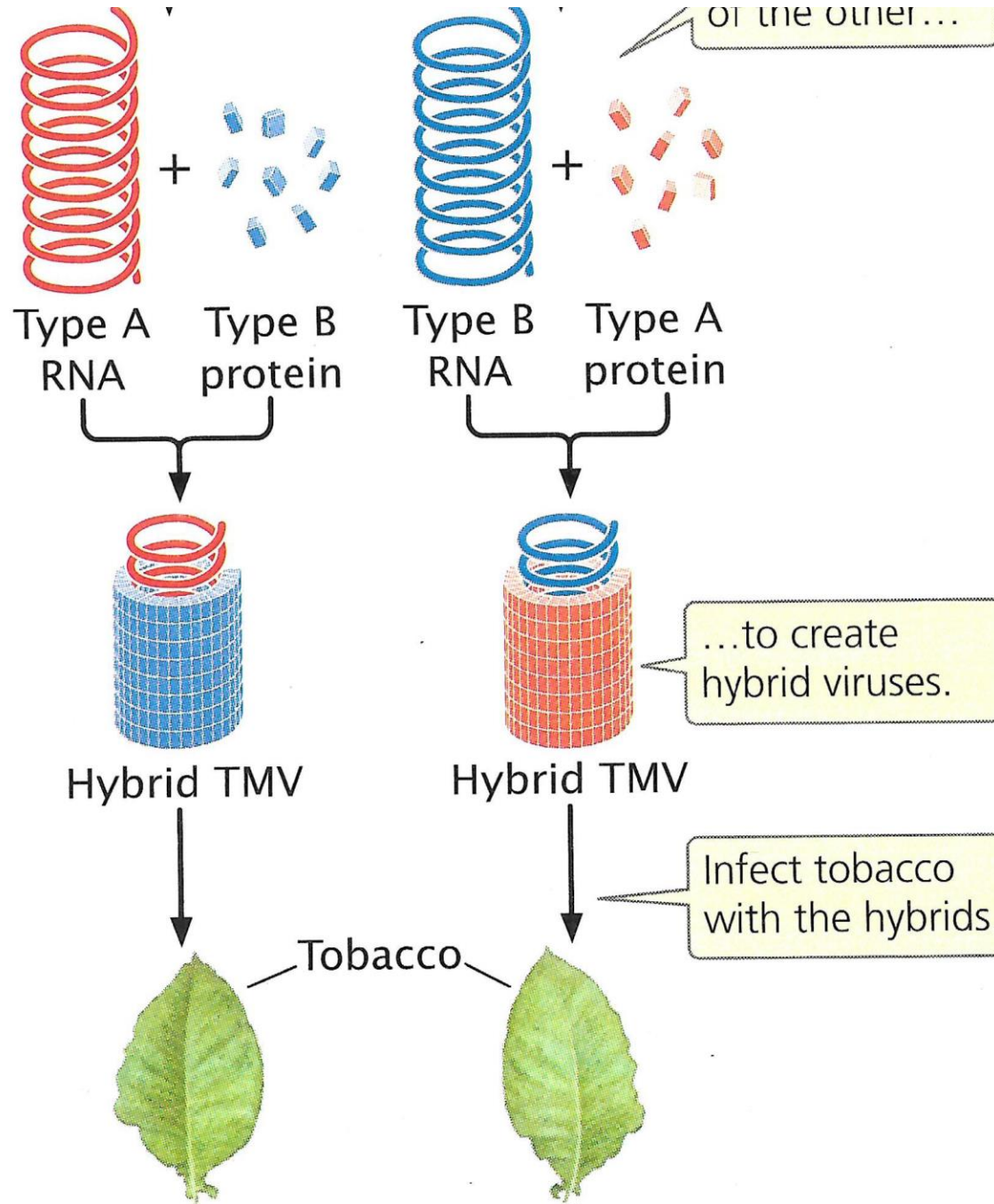
10.8 Fraenkel-Conrat and Singer's experiment demonstrated that RNA in the tobacco mosaic virus carries the genetic information.

Experiment

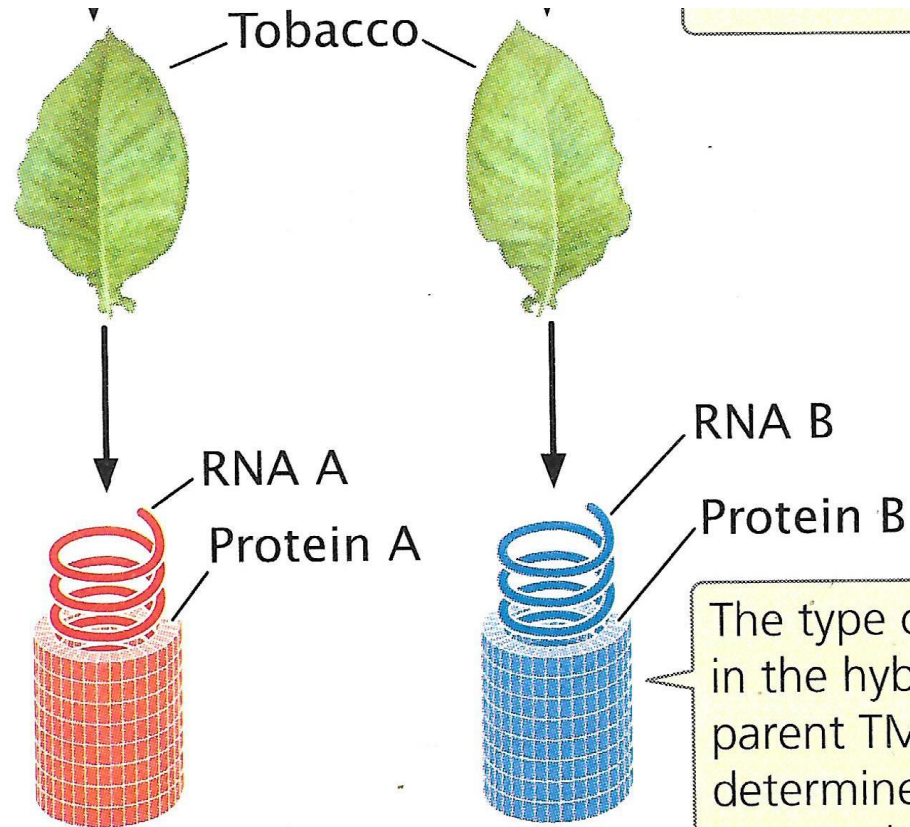
Question: What substance—RNA or protein—carries the genetic material in tobacco mosaic virus (TMV)?

Methods



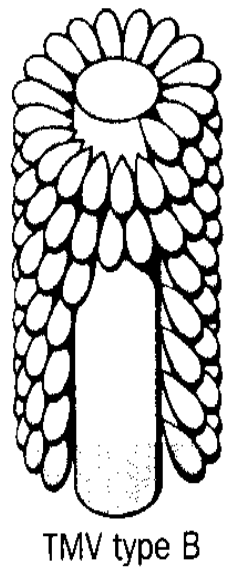


Results

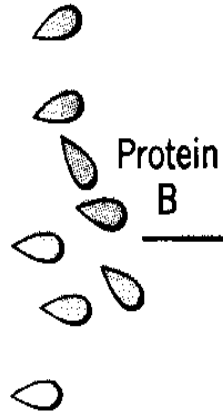


The type of RNA in the hybrid parent TMV determines the RNA and protein of the progeny viruses.

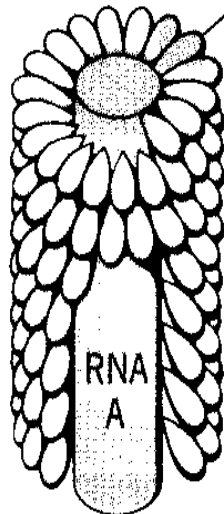
Conclusion: RNA is the genetic material of TMV.



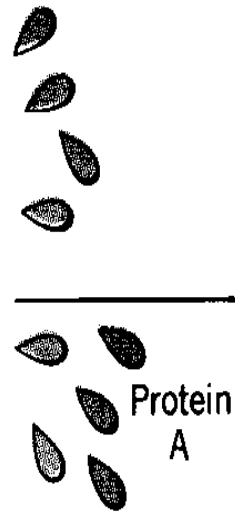
Degraded



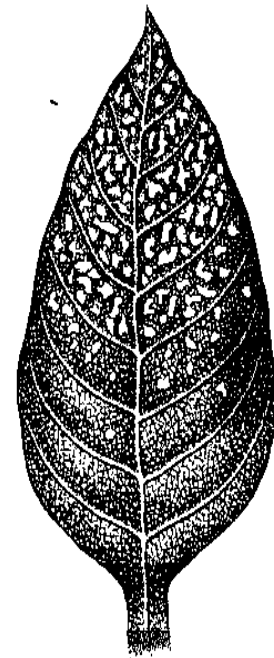
Protein B



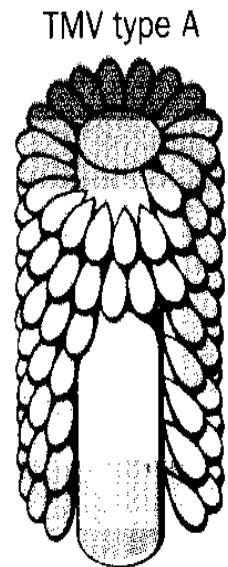
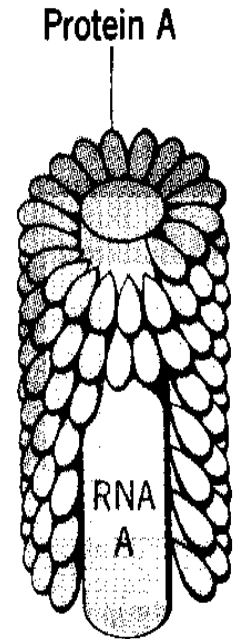
Reconstituted mixed virus



Protein A



Offspring



Degraded

